

## **Historic, Archive Document**

Do not assume content reflects current scientific knowledge, policies, or practices.



Ver

Roll 7/10

6297

THE 3 LEADING VARIETIES

SWEDISH  
OATS

ODERBRÜCKER  
BARLEY

WERNICH'S  
EARLIEST OF ALL  
YELLOW DENT

29th  
Catalog  
1879 -  
1908

27-29  
Juneau  
Ave

WERNICH SEED CO.  
MILWAUKEE, WIS.

# Our Silent Salesman.

Milwaukee, Wis., Jan. 1st, 1908.

To Our Friends, The Public:

For the twenty-ninth time in as many years, this Book—"Our Silent Salesman"—is making its annual visit to each of our thousands of customers, with the Compliments of the Season, and the expressed wish that it will be a productive as well as a profitable one—and such it must be if good seeds be sown. "Good Seeds Promote Long Friendship" is a saying that has proven itself true in our business, for there are names on our books dating back over twenty years. It is always a pleasure to us during our busy spring season, when in going over our daily orders to find the names of customers who have been buying our seeds almost annually since the first few years of existence of our business. This loyalty on the part of such lifelong customers convinces us that the quality of our seeds has been appreciated, which is encouraging for us to go on, and, if possible, to do even better than ever in their behalf.

"Our Silent Salesman," a Modest Catalogue with Honest Descriptions. Our Catalogue does not exaggerate. The illustrations are not misleading. The descriptions are true and say too little rather than too much. All the seeds we offer have been thoroughly tested. Our novelties are all of known merit. We have no untried experiments for our customers, nothing to disappoint. We know our Seed Business thoroughly and pledge our reputation on whatever we tell you.

In closing, we desire to state that we appreciate Early Orders and lots of them. Thanking you for your past patronage and hoping for a continuance of same, we remain,

Yours for "Good Seeds,"

WERNICH SEED CO.

## A FEW THINGS TO REMEMBER.

**ORDER EARLY**—"In time of winter prepare for spring." Order early, and have your seeds on hand when it is time to sow.

**ADDRESS**—No matter how often you order, always give your Name, Post Office, County and State, in full. When Freight or Express Office is different from Post Office give both.

**REMITTANCES**—Cash with Order. Remittances may be made at our risk by Draft, Money Order, or Cash by Express, or in registered letter.

**SEEDS POSTPAID**—We deliver free all Seeds, (Ozs.,  $\frac{1}{4}$  lbs., Lbs., Pints and Quarts), Plants, Bulbs, etc., at prices quoted, excepting where otherwise noted.

**SHIPPING**—When customers do not state clearly how and where to ship, we use our own discretion.

**SAFE ARRIVAL**—We endeavor to secure the safe arrival of packages in every case. If packages do not arrive in due time, please notify, and we will at once trace the same. Except where noted, we make no charge for packing.

**ERRORS**—We are very careful in executing our Orders, yet in the rush of business in our busy season, errors sometimes occur, in which event we wish to be promptly notified, and we will rectify.

**GUARANTY**—Complaints made that seeds are not good cannot always be attributed to the quality. There are hundreds of causes other than poor quality to prevent the best of seeds from always giving satisfaction; such as sowing too deep, too shallow, in too wet or too dry soil, insects of all descriptions destroying the plants as soon as or before they appear, wet or cold weather, frost, changes in the Seeds, induced by temperature, etc., therefore, while we exercise the greatest care to have all seeds reliable we do not give any warranty, expressed or implied, and we will not in any way be responsible for the crop.

## SENSATIONAL NOVELTY, "A RED PERENNIAL SUNFLOWER."

(Echinacea Helianthus.)

This cross was produced by using an extra large Echinacea hybrida as the female, and the closely allied Helianthus multiflorus as the male parent.

The plant attains a size of 5 to 6 feet in height, and the individual flowers vary from 3 to 6 inches in diameter.

The flowers are excellent for cutting and for decorative purposes, as they last a long time and have stems from half a yard to a yard in length. On the plant individual flowers last from 2 to 3 weeks, and 20 to 30 blooms appear on each plant during the second or third year after sowing. The time of flowering extends from July to September and even October. About 60—70 per cent. come true from seed. If sown early in a frame or greenhouse the plants will bloom the first season, but they do not attain perfection until the second year. Packet, 10c.



# NOVELTIES AND SPECIALTIES FOR 1908.

## TOMATO.

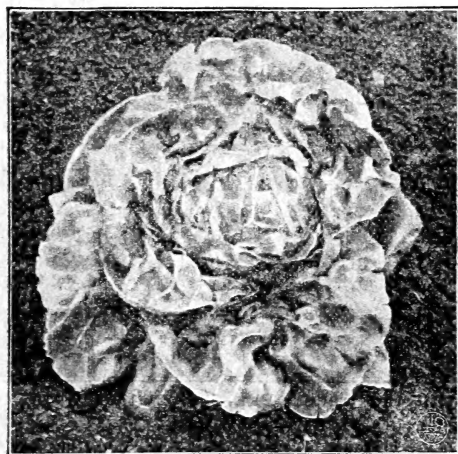
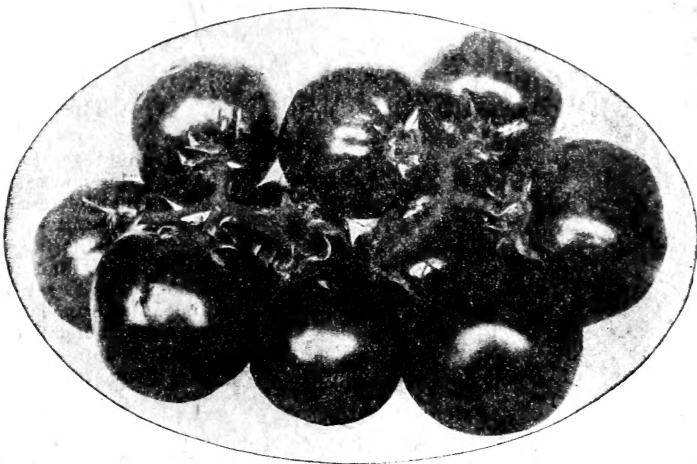
### LIVINGSTON'S NEW CORELESS FOR 1908.

The most perfect shaped canning variety ever produced. Large size, globe shaped, full at stem end, bright red, a strong grower and big cropper.

In shape it is almost round, being of about the same diameter each way as shown in our illustration. The depression at the stem end has been almost eliminated, making it the most profitable variety for canning, owing to a very small amount of waste. It is immensely productive, clusters of four to seven fruits are produced at six to eight inches apart along the stem. All of the fruits are of marketable size, and many of them are quite large, twelve to fifteen ounces. Always free from green core; ripens all over and through and right up under the stem, all at once. A grand, good slicing variety; the seed cells being surrounded

by bright red, heavy, meaty and delicious flesh, which is slightly more acid than the Livingston's Globe. The strong outside and inner walls of flesh of the Livingston's Coreless render it a very firm fruit and one of the best for long distance hauling or shipping.

Offered this season in packets only. Packet 20c; 3 packets 50c; 7 for \$1.00.



## HEAD LETTUCE "IDEAL."

What the May King Lettuce, which we introduced last season has proven itself for garden and freeland culture, namely that it is by far the best for such purposes, that is this new head lettuce "Ideal" for forcing, because it is 8 days earlier than the celebrated "Kaiser" Forcing Lettuce, and consequently the very earliest of all forcing lettuces. Notwithstanding this fact, the head is very firm and of the most exquisite quality. The heads are of such well rounded and perfect shape that it is a delight to look at a bed where the Ideal lettuce is grown. The leaves are light green, with delicate ribs and lightly waved; the interior is of a clear yellow, very tender and of fine flavor. Price, package 10c.

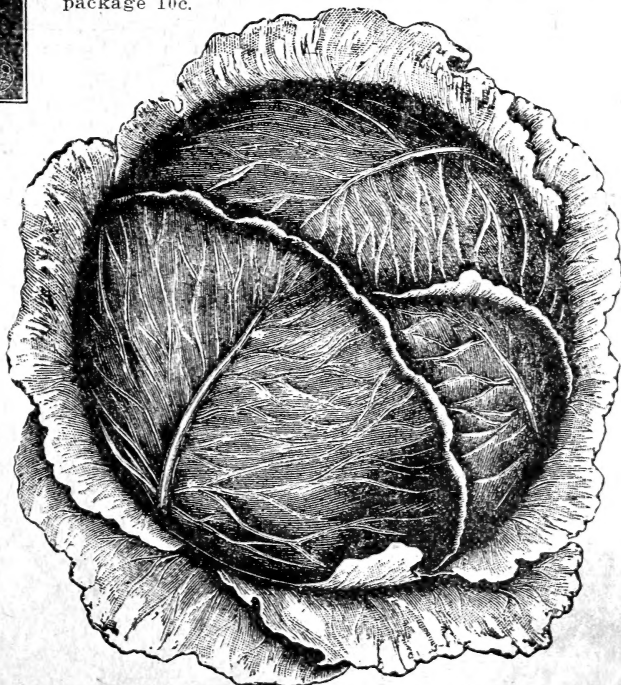
## The New Red Cabbage OTHELLO

### "Deep Black Red Brunswick Giant."

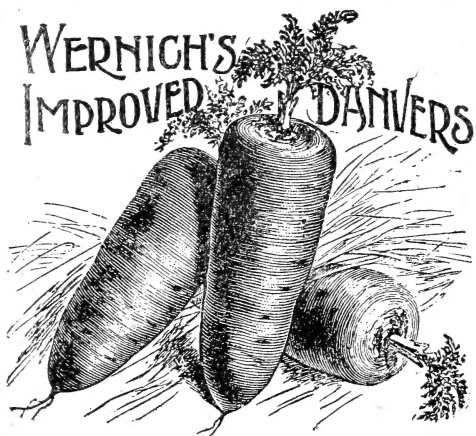
This New Red Cabbage, which we offer this year for the second time, is calculated to put into shade every variety known in the trade, as it surpasses every one of them by far in size, productiveness, solidity and keeping quality.

It has all the superior qualities of the true variety of the Largest Flat White Brunswick Cabbage, being of the same great size as the latter, which exceeds by far all known varieties of Red Cabbage. It has also the same shape, forming a smooth, flat, slightly arched head, is exceedingly firm, deep glossy black-red and is the best keeper during the winter.

These qualities mark the Cabbage "Othello" as the largest, most productive, and best keeping dark red variety in the trade. Seed crop is small; we therefore recommend early orders, which will be executed in rotation. Price, per pkt. 10c.



# NOVELTIES AND SPECIALTIES FOR 1908.



## WERNICH'S IMPROVED DANVERS CARROT

The Market Gardener's Carrot.

Undoubtedly the best carrot for general crop and esteemed by market gardeners for its handsome tapering form and rich dark orange color. The seed we offer is grown from carefully selected stock. Wernich's Improved Danvers is far superior to the well-known Danvers in shape, color and general appearance, while the flesh is tender and sweet. It is almost entirely free from core, and as a cropper outyields all Carrots we know of. An excellent bunching carrot for market. Will grow on all kinds of soil, and as a keeper has no equal. Pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 75c.

## Burrell Gem Muskmelon.

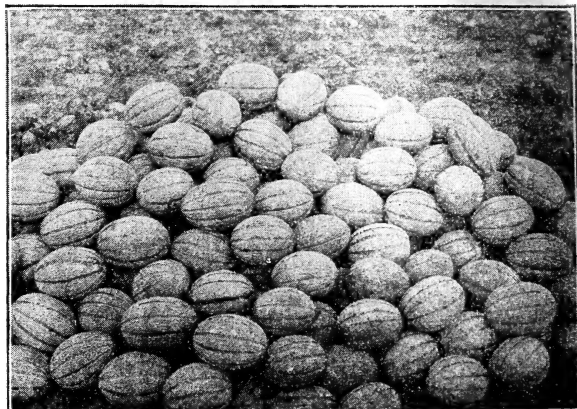
The New Rockyford Cantaloupe with Golden Meat.

Mr. Burrell, the originator of this melon, writes about it as follows:

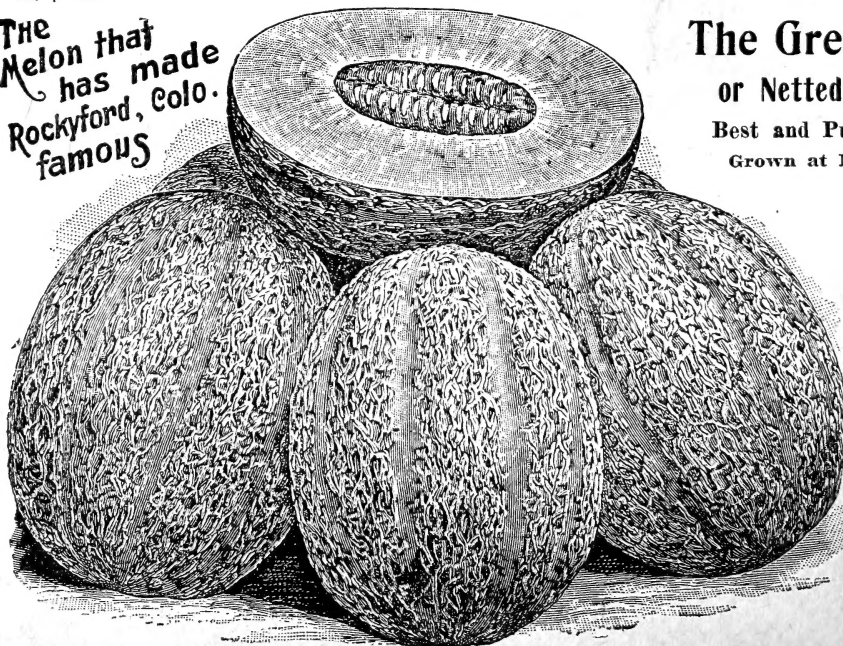
The Burrell Gem is a combination of the characteristics of the following varieties: Osage, Defender, Rockyford and Acme, and more particularly the Defender and Acme. It is the result of my personal efforts to produce an ideal market melon. Such a melon requires the development of many vital points. It has a tough, thin rind, well arched ribs covered with a closely laced and interlaced gray netting. The blossom end is protected with a well developed button. Shape, quite elongated—the diameter from stem to blossom being one-third more than from top to bottom. Meat, of a reddish orange, very thick, fine grained and spicy, not containing too much water or acid. Seed cavity, small and triangular, the seed closely held in place in three lobes.

The average weight is 2¼ lbs., the length 6 in., and the thickness 4½ in. The standard crate is 14 in. wide, 4½ in. deep and 24 in. long, holding 12 melons.

The demand for them is established, and the planter who grows them and the dealer who is fortunate enough to get them to handle this coming season will have an inside chance with the trade. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.



The Melon that has made Rockyford, Colo. famous



## The Great Rockyford

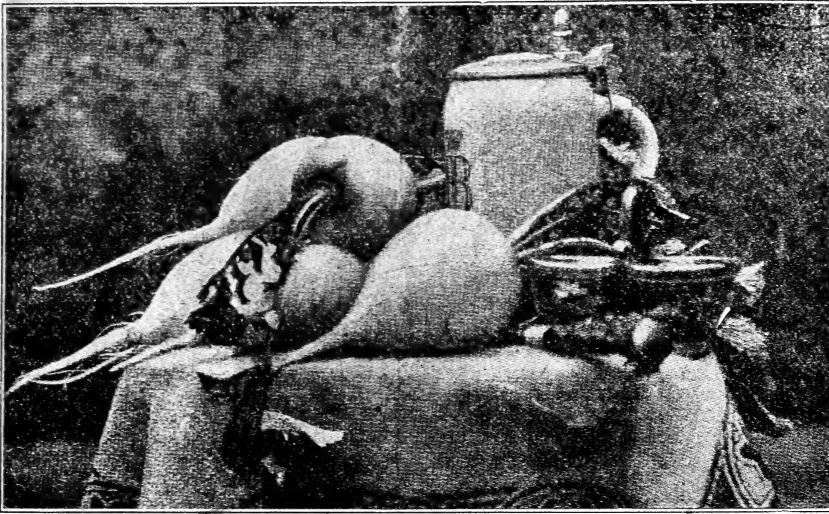
or Netted Gem Muskmelon

Best and Purest Strain of Seed.

Grown at Rockyford, Colorado.

Unsurpassed in Luscious Flavor. Always brings the highest price on the market. Most desirable size. Ideal for dessert. A healthy, vigorous grower. Exceedingly prolific. This is an improved strain of Netted Gem, growing a little more oblong in shape. Originated at Rockyford. It is the most popular of all Melons for shipping in baskets. The fruit is oval and slightly ribbed, and densely covered with a fine netting. It has a thick flesh; very sweet; finely flavored. They will grow very uniform in shape and color. Very productive. Large pkt. 5c; oz. 15c; ¼ lb. 30c; 1 lb. 85c.

## "MUNICH BEER RADISH."



The excellence of the radish thus produced is found in the mild but nevertheless hot agreeableness of flavor. It also cuts with a mellowness, which is a proof of the shortness and tenderness of the fibres.

The "Munich Beer-Radish" has a fine skin, does not throw out side roots and is not so subject to dry-rot as the ordinary summer radish.

It can be grown in forcing beds as well as in the natural soil, although it should only be planted out, when night frosts are no longer to be feared, as it is well known that the radish runs to seed upon the slightest cold. Price, pkg. 5c; 1 oz. 15c; ¼ lb. 50c; 1 lb. \$1.20.

## WERNICH'S EARLY MARKET BEET.

This is undoubtedly one of the best Novelties ever introduced and one that will meet with favor among lovers of this vegetable. Market Gardeners will do well to give this beet a trial. It is very early, nearly as early as Egyptian and greatly surpasses that variety in flavor. The color is a rich, dark red, and the shape is globular. It is fine grained in texture and has a small top. It is free from side or fibrous roots, being always smooth. It is excellent for forcing, for a main spring and summer crop, or for use in winter, as it is a good keeper. It cooks sweet, tender and crisp, and is in every way a standard sort for the market or home gardener. Has made a good crop in seven weeks from sowing. Price, pkg. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.



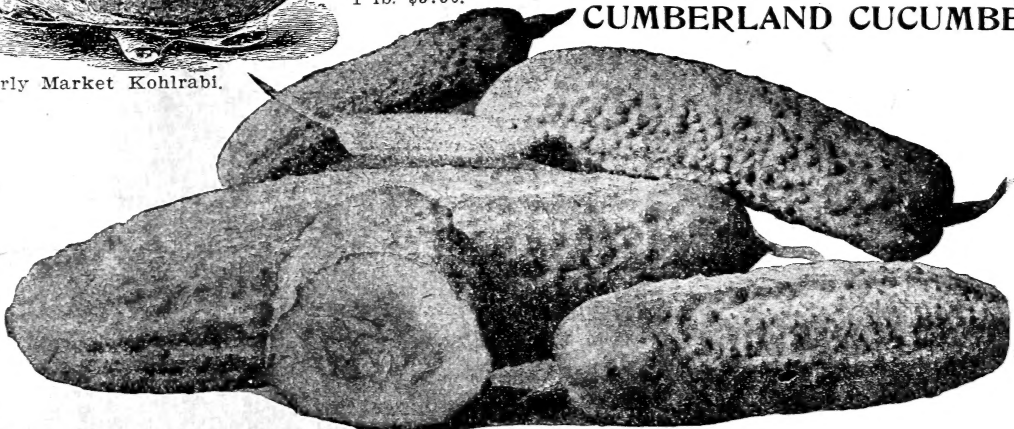
Early Market Kohlrabi.

## WERNICH'S EARLY MARKET KOHLRABI.

This new introduction has been thoroughly tested for several years by market and private gardeners, and has come out of every trial with honors. It is the finest sort for forcing as well as for field planting. It is round like an apple in shape; skin very smooth and thin; leaves few but very erect; flesh unsurpassed in tenderness, purity and exquisite flavor. The leaves do not show the disfiguring swellings and indentations where they sprout from the head as is usually the case. As the foliage rises almost perpendicular and not to the side it can be planted as close between rows as the small-leaved forcing varieties. The long erect leaf-stalks make it easier for bunching than all others. Its hardness is another important quality. Price, per pkt. 10c; oz. 25c; ¼ lb. 95c; 1 lb. \$3.50.



## CUMBERLAND CUCUMBER.



It is a hybrid of Parisian Pickling and Peerless White Spine, retaining the long even growth of fruit, the solidity of flesh, the crispness and excellent flavor of the former, and the hardness and great productiveness of the Peerless White Spine. It is a rapid, strong and vigorous grower and very prolific. The pickles differ from all other hardy sorts in being thickly set with fine spines over the entire surface except the extreme stem end. During the whole period of growth, from the time they first set until fully grown, the form is exceptionally straight, thus being as choice a slicing variety as it is for pickles. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 80c.



# NOVELTIES

FOR 1908

## PEEP O'DAY

### The Sensationally EARLY NEW SWEET CORN

Ten Days to Two Weeks Earlier than any other sort, and the Sweetest of all Sweet Corn.

So marked is its sweetness and delicacy of flavor, that many of our customers who have been in the habit of planting several varieties to secure a succession, now plant **Peep O' Day** exclusively, arranging the plantings a few days apart so as to have this delicious corn throughout the entire season.

Another point of great importance is the wonderful productiveness of **Peep O' Day**.

The early varieties of sweet corn do not as a rule yield as heavily as the late sorts, but **Peep O' Day** not only surpasses in this particular all other early varieties, but all late varieties as well; in fact our crops of **Peep O' Day** have given us for three successive years



almost double the yield per acre of any other variety we have grown, early or late.

Incredible as this may seem, it is readily accounted for by the fact that the stalks bear from two to five ears each and the growth being dwarf—about 4 feet—admits of very close planting.

Price, large packet, 5c; pint, 20c; quart, 35c; postpaid.

By freight or express: pint, 15c; quart, 25c; peck, \$1.50; bushel, \$5.00.

## NEW PEAS

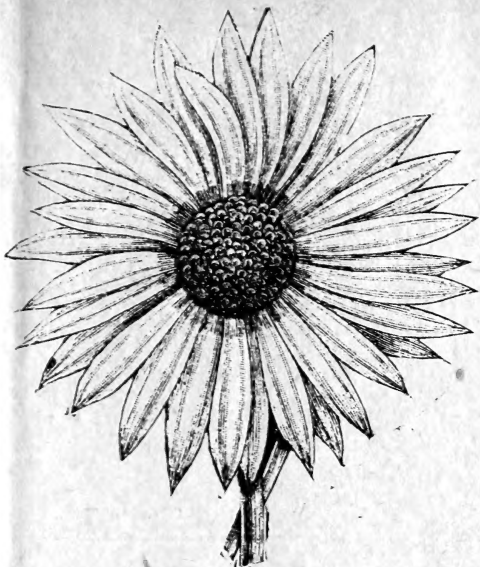
### Dwarf Telephone or Daisy

The most productive of all large podded Dwarf Peas. This new Pea is a cross of **Stratagem** on **Telephone** and a most excellent sort. The vines grow about 16 to 18 inches high, are dwarf, stocky and vigorous, and bear a tremendous crop of large, well filled pods. The pods average from 5 to 5½ inches in length, containing 7 to 9 very large peas of a light green color, which are tender and of sweet flavor when gathered young. The pods often contain as many as 10 peas. In season it is medium, being from 5 to 7 days earlier than **Stratagem**. Pkt. 10c; pt. 25c; qt. 45c, postpaid. By express or freight at purchaser's expense. Pt. 15c; qt. 30c; 2 qt. 55c; peck, \$1.85; bushel, \$6.50.

### A New Extra Early Large Podded Sweet Wrinkled Pea

### "THOMAS LAXTON"

This fine new early pea was raised by crossing **Gradus**, which is in itself a sensationally early and large podded variety, with a very early seedling of the **Alaska** type. In earliness the **Thomas Laxton** is only 2 to 3 days behind the **Alaska**, but the pods are more than double the size, containing on the average 7 or 8 very large, sweet, wrinkled peas of the very richest flavor. The vines attain a height of from 3 to 3½ feet. It is superior to the **Gradus**, being earlier, hardier in constitution, and of darker colored pod. It is the best pea of all for market gardeners as well as for private gardeners, and received the award of merit from the Royal Horticultural Society of England. In flavor this pea is not surpassed, being as sweet as the **Champion** of England, which up to the time of the introduction of the **Thomas Laxton**, has been, in our estimation, the sweetest pea of all. The stock we offer was produced from seed obtained at very high cost direct from the introducer, **Thomas Laxton**, Bedford, England. The quantity we have to offer this season is limited, and we suggest that all those who wish to try this magnificent pea send in their orders at an early date. Large pkt., 10c; pint, 35c; quart, 50c; postpaid. By express or freight: pint, 25c; quart, 35c; 2 quarts, 75c; 4 quarts, \$1.25; peck, \$2.25; bushel, \$7.85.



African Lilac Daisy.

## THE AFRICAN LILAC DAISY.

(*Arctotis Grandis*.)

The handsome appearance and elegant habit of this new plant are certain to make it popular. This annual is a native of Southwest Africa, but **grows perfectly in our climate.**

It forms profusely branched bushes of about 2 to 2½ feet in height and breadth. The leaves are soft and whitish. Its flower heads, borne on long stems and rising well above the foliage, are large and showy, from 2½ to 3 inches across; being pure white on the upper surface, reverse of petals pale lilac. Under the influence of bright sunlight the flowers spread out almost flat, and the pure white of the ray florets contrast beautifully to the light blue disk with its slightly projecting white stamens, a lovely combination of colors.

Being of very easy culture on a suitable sunny place, these plants produce their flowers most abundantly and in constant succession from early summer until autumn.

This fine novelty we recommend to all our customers for a trial. Pkt. 10c; 3 for 25c.

## WHITE PEARL MIGNONETTE

(A new Machel Variety.)

This new pure white variety forms a very effective contrast, not only in the adornment of our gardens, but also in decorative work with cut-flowers, to the other noble forms of Mignonette, which have sprung from Machel, viz., Bismarck, Rubin, and Goliath.

The plant has the same vigorous compact habit of growth as the parent form of Machel, and is very free-flowering. The flowers show a clear pearly white, not easily found in a Mignonette; now and then some red stamens are found among the white ones, which has a pleasing effect. The "White Pearl" Mignonette still varies somewhat. Pkt. 10c.



White Reseda.

## SHASTA DAISIES.

(*Chrysanthemum Leucanthemum Hybridum*.)

"To-day no other flower can compare in extent of usefulness. Their first qualification is hardiness. They can be grown out of doors by everybody where it is not cold enough to kill oak trees. Second, they are perennial, blooming better and more abundantly each season. Third, they can be multiplied rapidly by simple division, and they are not particular as to soil. Fourth, they bloom for several months — California nearly all the year. Fifth, the flowers are extremely large and graceful—averaging about a foot—often more in circumference, with three or more rows of petals of the purest glistering whiteness, on single, strong, stiff, wiry stems, nearly two feet in length." Pkt. 25c.

## NEW GIANT FRAGRANT CENTAUREA.

(*Centaurea Imperialis*.)

This new *Centaurea* represents the best that has been produced in these beautiful Summer-blooming plants. The bushes are about four feet high, of enormous dimensions, and are covered with large beautiful flowers and very fragrant. The flowers will keep for over a week in water, if cut just when they are about to open. It is of the easiest culture. The color variation is very great, almost infinite.

**Pure White.** The best white flowers for cutting.  
**Armida.** Very delicate color, pink with white tinge.

**Favorita.** Brilliant rose.

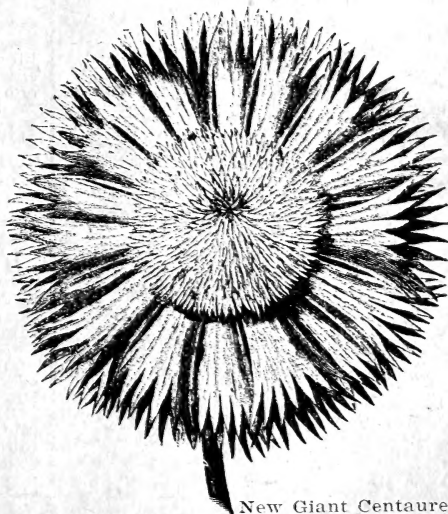
**Graziosa.** Intense dark lilac.

**Splendens.** Brilliant dark purple.

**Verabilis.** White, marked purple, fading to rose.

Price of any of above six kinds: Pkt. 10c; ¼ lb. 25c; oz. 75c; 6 pkts., 1 of each kind, for 35c.

All Colors Mixed. Per pkt. 5c; ¼ oz. 15c; oz. 50c.



New Giant Centaurea.



## CHRISTMAS PEPPER

For several years we have made a specialty of this Pepper at our greenhouses, where we have grown several thousands in a season. They are ready for the market in October and November, lasting until Christmas, and the plants have sold like the proverbial "hot cakes." The plants grow about 12 to 15 inches high and are covered with their scarlet fruit, which stays on for months. It is a selection from the Celestial Pepper, but it is now entirely distinct from it, the fruit is smaller, more chunky, and the plants grow more compact, while the fruit is borne right above the foliage, as shown in our illustration, and therefore present themselves to the best advantage. This Pepper is of easiest culture. It is one of the prettiest pot plants, and everybody can be successful with it. Complete cultural directions are printed on each package.

Per Package .....10 cents.



Christmas Pepper.

## SNOW WHITE

### Shirley-Poppy

The flowers are of the greatest beauty, and if a portion of them, as sometimes happen, have a slight rose tinge towards the tip of the petals, it only adds to their attractiveness. This novelty is of great merit and it will become a favorite, having regard to the very simple culture needed and the wealth of bloom which the annual Poppies yield so continuously during the summer months.

Per Pkg. ....10 cts.



Santa Rosa Poppy.

## SANTA ROSA

### Shirley-Poppy

We have great pleasure in offering this season, for the third time, a new strain of Shirley Poppy, originated and improved by Mr. Luther Burbank, the famous wizard of horticulture. These we have named "Santa Rosa," after the producer's California home. This new strain combines all the delicate beauty in color of the original Shirley and Shirley types.

Per Pkg. ....10 cts.



## Schizanthus Butterfly-Flower

### The Poor Man's Orchid.

Only a few annuals can compare with the profusion of bloom of this charming novelty, and none is more easy to cultivate. It attains a height of about 12 inches, grows quite compact and pyramidal and is literally covered with its beautiful, large, orchid-like flowers.

It grows well if sown in the open ground in March or April, where it is to bloom, but it may also be sown in frames and transplanted later into the garden or pots, and if sown in August or September, several plants together in a pot, cultivated in a cool greenhouse or conservatory, they will make a splendid show in the winter.

Per Pkg. ....10 cts.

## ROYAL PINKS

(Dianthus Heddewigi Nobilis.)

The Indian Pink has been a favorite flower for many years, being of easy culture and a graceful bloomer, requiring but little attention. Dianthus Heddewigi Nobilis is an improvement of the old fashioned variety. The flowers are of a beautiful shape and from three to four inches in diameter. The petals are fringed and fringed, giving the flower a graceful appearance. The colors are, first of all, a deep yet very bright blood-red, then shade to carmine and pink and even white. The plants grow vigorous and tall, and give lots of first-class cut-flowers, which will keep a full week in water. The more the blooms are cut, the more the plant will produce. Pkt. 10 cts; 3 for 25 cts.



## Read's Defiance Oats

Was made by G. A. Read in 1898, by hybridizing the Mortgage Lifter with the Lincoln. The result was a remarkably well-balanced oat, showing greatly increased vigor and productiveness over both its parents. Its qualities: straw exceedingly tall, stiff and leafy; very large branching heads; grain plump, weighing 36 to 45 pounds per bushel; practically rust, smut and insect proof; extensive root development; wonderful stouter; grows fast, checks weeds; does not lodge; withstands drought, storms and other unfavorable conditions.

Prof. C. G. Pringle, Pioneer Hybridizer and Botanist of the U. S., who inspected large fields of these oats directly after three successive severe storms, says: "Though I had myself won success in originating new cereals I had never seen such magnificent fields of oats." Also highly recommended and endorsed by other Scientists and expert Hybridizers, among whom is F. H. Horsford. He says: "Can't help producing heavy yields."

Read's Defiance Oat yielded with Mr. Read from 50 to 120 bushels per acre under ordinary cultivation. Under high cultivation it yielded from 150 to 200 bushels per acre. 149½ pounds of grain was raised from one ounce of seed.

These Oats sold last year at \$10.00 per bushel. Prices for 1908 are as follows: Packet 15c; 1 pound 40c; 3 pounds \$1.00, postpaid. By express or freight, not prepaid: 1 pound 30c; ½ peck 80c; 1 peck \$1.20; ½ bushel \$1.85; 1 bushel \$3.25; 2½ bushels \$6.90; 10 bushels \$25.50, net.

We guarantee all of the grain we sell this year under Read's name and description to come direct from him.

## Read's Triumph Barley

Is the result of a scientific cross made by G. A. Read in 1897 between the two-rowed Highland Chief and the six-rowed Manshury, to produce a distinct six-rowed variety with stronger straw and heads as long, but thicker and better filled out than Manshury. Its points of superiority are: Strongest straw; stands up best; crinkles least; rapid grower; arrests weeds; enormous stouter; resists drought best; never affected by disease; largest heads; grain colors less and weighs 48 to 52 pounds per bushel; grand malting variety.

The loss to farmers by unfilled and discolored barley caused by lodging is estimated at millions of dollars. Read's Triumph will do more to reduce this tremendous loss than any six-rowed barley ever originated. F. H. Horsford, the well-known Nurseryman and originator of the famous Market Garden Pea, says: "Greatest combination of qualities in a barley I have seen."

Read's Triumph Barley yielded with Mr. Read 70 bushels per acre—ordinary culture. With extra care it has yielded as high as 200 bushels per acre. Under exactly the same conditions it out-yielded Mandscheuri 28 bushels per acre. Cut shows average size heads from the field.

This Barley sold last year at \$12.00 per bushel. Prices for 1908 are as follows: Packet 15c; 1 pound 40c; 3 pounds \$1.00, postpaid. By express or freight, not prepaid: 1 pound 30c; ½ peck 85c; 1 peck \$1.25; ½ bushel \$2.00; 1 bushel \$3.55; 2½ bushels \$7.60; 10 bushels \$29.50, net.



# NOVELTIES AND SPECIALTIES FOR 1908

## ODERBRUECKER BARLEY

### THE GREAT NEW LEADER.

This great new six-rowed Barley originated from Germany, and has been bred on the Agricultural Experiment Station of Wisconsin for a number of years and was last year for the first time distributed among a great number of farmers. The reports from them show that the Oderbruecker Barley is the best barley which was ever raised in Wisconsin. The Wisconsin Experiment Station writes us in regard to this barley as follows:

"This variety of Barley was obtained by this Station from Ontario, Canada, and had been imported by the Station at Canada directly from Germany. It has been bred on the Experiment Station Farm here for 7 years, and we think is the best barley we have ever experimented with. It does not yield very much more than the Manshury barley, but gives a much better analysis so far as the protein content is concerned. This makes it a very fine feeding barley and some of our brewers claim that the high protein content makes it a much better brewing barley as well."

Other points of superiority are: Strongest straw, stands up best, resists drought best, well-filled heads of plump-berried grain, and earliest.

Peck, 50c; bu. \$1.50; 5 bu. \$6.50; 10 bu. \$12.50.

Bags extra 21c each.

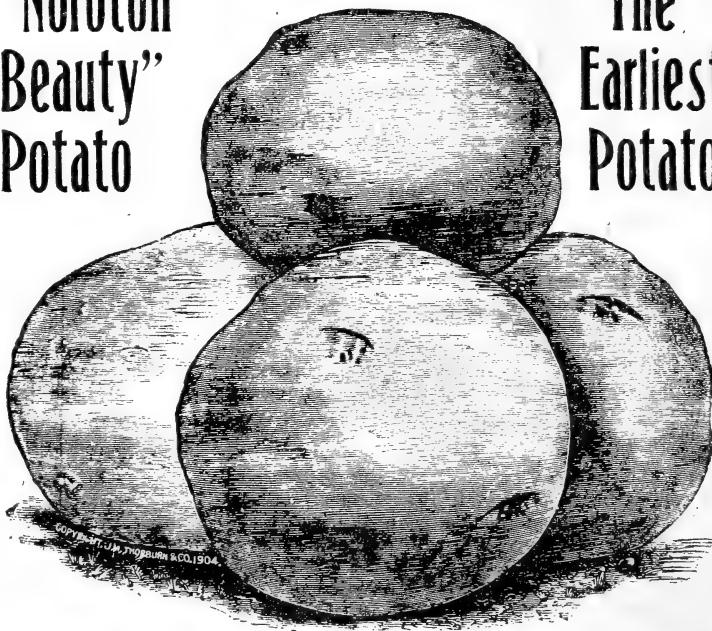
It is the Earliest Potato ever grown.

It is by far the most productive and extra early, yielding as heavily as any of the medium early sorts.

It is handsomer in appearance and more uniform in size and shape than any other variety, early or late.

**"Earliness"** — Planted in Washington County, N. Y., May 14th. They were in fine condition for the table on July 14th.

## "Noroton Beauty" Potato



## The Earliest Potato

**"Productiveness."** — I have never seen any extra early variety that will yield nearly as heavily as this seedling. In fact, it will produce as heavily as any of the medium-early varieties, which is saying a great deal.

**"Quality."** — There is no variety of finer table quality. The flesh is dry, white and of superior flavor, either boiled or baked. It is of a decided sparkling, mealy texture. What is unusual, it retains its fine quality not only during the winter and spring, but as late into the summer as any of the late varieties.

**"Noroton Beauty" is a Direct Lineal Descendant of the Famous "Peach Blow."**

**"Vines."**—The tops are short, stocky and branching and completely cover the ground when planted 2 1/2 feet each way. The stalks are quite purple when they first come up and the leaves are very large and very dark green—the largest and darkest I think I have ever seen on Potatoes.

**"Color and Shape."**—The ground-work of the tubers is white, slightly rusted and splashed more or less with pink and with pinkish eyes. The shape is round and exceptionally uniform.

By mail or express, prepaid: Per lb. 25c; 5 lbs. \$1.00.

By express or freight, not prepaid: peck 75c; bu. \$2.25.

## WERNICH'S

LIST OF CHOICE

## Vegetable Seeds



We desire to call particular attention of our friends and patrons to the following List of Vegetable Seeds, which will be found to embrace all the leading and most popular varieties in cultivation.

We exercise the greatest care in the selection of our stock of Vegetable Seeds, discarding all varieties that in our experience have proved unworthy of cultivation.

All our Vegetable Seeds are true to name, and their germinating qualities having been effectually tested, they are confidently offered as being **THE VERY BEST THAT CAN BE PRODUCED.**

Our prices include postage on Vegetable Seeds in packets, ounces,  $\frac{1}{4}$  lb. and pounds. If the purchaser will pay the freight charges, 10c per pound may be deducted from the prepaid prices on vegetable seeds herein offered.

On Beans, Peas, Corn and Onion Sets, we give both prepaid charges and not prepair charges. Purchasers will please notice.

## Cash Discounts

ON PACKETS AND OUNCES

ON ALL OUR SEEDS.

## Customers

\$1.00

2.00

3.00

## Sending

4.00

5.00

## May

Select

\$1.30

2.70

4.00

5.50

7.00

Worth of  
Vegetable and  
Flower Seeds  
in Packets and  
Ounces only.

## ASPARAGUS.

German—Spargel. French—Asperge.  
Spanish—Esparragoe.

To grow plants from seed, sow in drills about 1 inch deep, in rows a foot apart. Keep the soil mellow and free from weeds during the summer, "thin out" and the following spring the plants may be set out in beds six feet wide, with a path two feet wide on each side; set the plants about a foot apart each way, four inches below the surface. The deeper the soil and the more manure used, the greater the crop. Annually, after the first cutting, the bed should be given a liberal top dressing of manure, ashes and salt, which should be well cultivated into soil. As soon as the tops turn yellow in the fall they should be cut and removed from the beds, and just before winter cover the

beds with 4 inches of coarse, strawy manure or leaves, which should be removed in the spring. A bed of 6x60 feet is ample for an ordinary family, and when well established is good for twenty years.

One ounce of seed sows 60 feet of drill. About 400 plants to the ounce.

**Connover's Colossal.** The most approved and standard sort. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 45c.

**Giant Argenteuil.** The largest variety. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb. 30c; 1 lb. 85c.

**Palmetto.** Of southern origin; a bright green color. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 50c.

## ARTICHOKE.

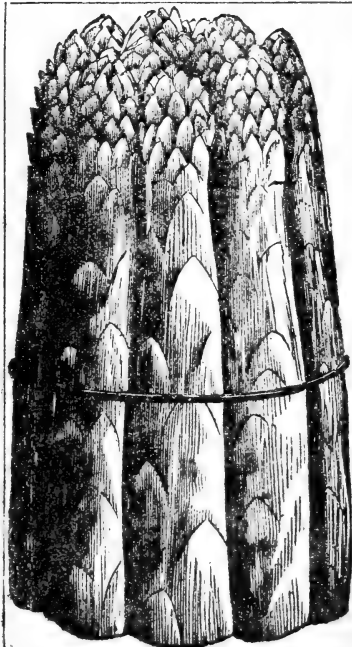
German—Artichoke, French—Artichaut.

Sow in April in hot bed or boxes, and when the ground is ready transplant in hills three feet apart, and the rows two feet apart.

**Large Green Globe.** The standard variety. Pkt., 5c; oz., 30c;  $\frac{1}{4}$  lb., 80c; 1 lb., \$3.00.



Artichokes.



Giant Argenteuil Asparagus.

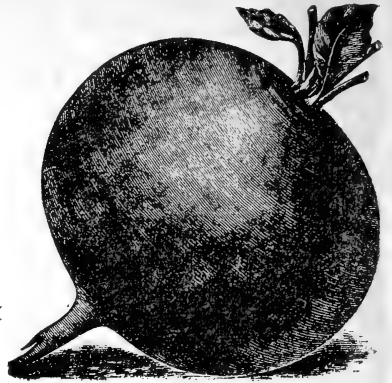
**WE DELIVER ALL SEEDS OFFERED ON THIS PAGE FREE TO ANY POSTOFFICE IN THE UNITED STATES.**



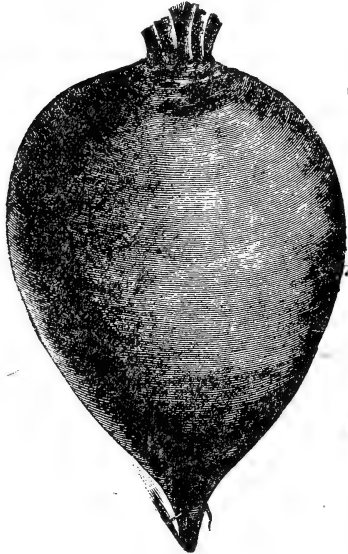
# BEETS.

German—Salatrube. French—Beeterave. Spanish—Remolacha.

Sow as early in the spring as the ground can be worked (4 to 6 lbs. to the acre), and every two weeks after for a succession, up the first week in July. For general crop, sow about the middle of May. The soil should be light, sandy loam, well enriched with stable manure, and plowed and harrowed until very fine. Sow in drills 1 foot to 15 inches apart, and when well up, thin from 4 to 6 inches. The young beets pulled out of the row are excellent, used as Spinach.



Early Blood Turnip.



Half Long Blood.

It comes in soon after the early Turnip sorts, and never becomes coarse or woody, even if left in the ground until late in the fall. We consider it the best Beet for winter use. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 15 cts.; 1 lb., 50 cts.

**Long Smooth Blood Red.** An improvement on the common Long Blood. A valuable late sort. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 15 cts.; 1 lb., 45 cts.

**Swiss Chard, Silver or Sea-Kale Beet.** For the leaves alone this variety is grown. These with the mid-rib removed, are cooked and used as Asparagus. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 15 cts.; 1 lb., 50 cts.

For Sugar Beet and Mangel Wurzel, see Farm Seed Page 44.

Our Seeds are all tested and guaranteed true to name.

**Extra Early Egyptian Turnip.** The earliest, and excellent in quality. Deep crimson in color. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 20 cts.; 1 lb., 50 cts.

**Eclipse.** A new and valuable variety, of fine quality, coming in almost as early as Egyptian. It is highly esteemed for its richness of color. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 15 cts.; 1 lb., 45 cts.

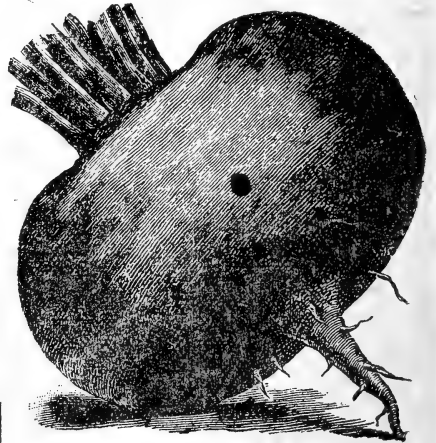
**Edmond's Early.** An early variety of superior quality, grows very uniform in size, with a single taproot, color deep blood red. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 15 cts.; 1 lb., 45 cts.

**Dewing's Improved Blood Turnip.** Very desirable for marketing; of fine form and color, very early. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 15 cts.; 1 lb., 45 cts.

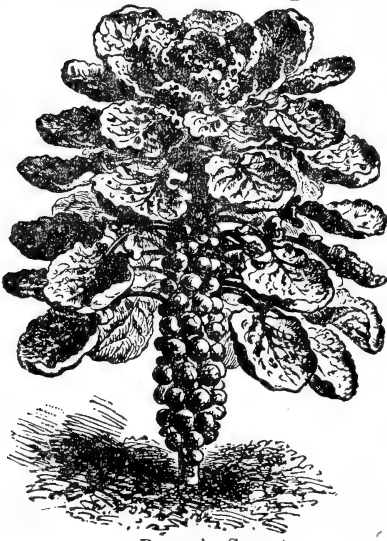
**Early Blood Turnip.** A favorite early variety. Pkt., 3 cts.; oz., 10 cts.; ¼ lb., 15 cts.; 1 lb., 50 cts.

## Half Long Blood.

An entirely distinct variety, growing about half as long as the Long Blood, but thicker than that sort. The color is dark blood red, and the flesh is delightfully crisp and tender at all stages of its growth.



Extra Early Egyptian.



Brussels Sprouts.

See our Cash Discount offer on Page 9.

## BROCCOLI.

German—Spargel Kohl. French—Chou Brocoli. Spanish—Brocuh.

Sow thinly in seed beds about the middle of Spring, and transplant and cultivate the same as cabbage. Produces heads very nearly like Califlower, but more hardy.

**Purple Cape.** Best adapted to our climate. Pkt., 5 cts.; oz., 30 cts.; ¼ lb., \$1.00; 1 lb., \$3.50.

## BRUSSELS SPROUTS.

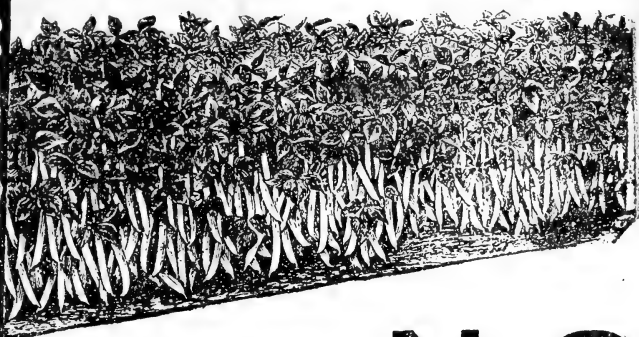
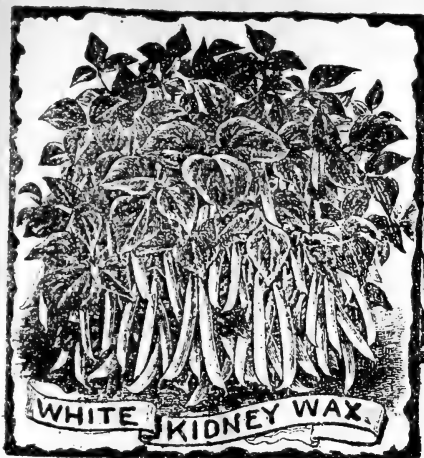
German—Sprossen Kohl. French—Chou de Bruxelles. Spanish—Bretones de Bruselas.

This is one of the most delicious of all vegetables, and of easy growth, but is not so well known in America as it deserves. Produces on the stem small heads resembling miniature cabbages. The sprouts are used as greens and become tender when touched by the frost. Sow in May and manage as winter cabbage. In the fall the leaves should be broken down so that the little cabbages will have more room to grow.

**Dwarf Improved.** Compact heads of fine quality. Pkt., 5 cts.; oz., 10 cts.; ¼ lbs., 35 cts.; 1 lb., \$1.25.

AT PREPAID PRICES WE DELIVER SEEDS OFFERED ON THIS PAGE FREE TO ANY POST-OFFICE IN THE UNITED STATES.





# B E A N S

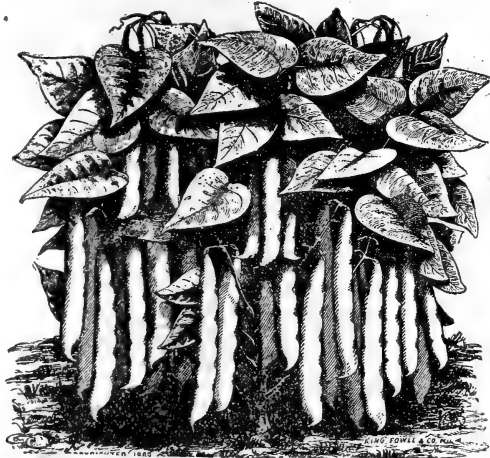
## CULTURAL DIRECTIONS.

**Dwarf or Bush Varieties.** Begin sowing the Dwarf or Bush varieties the first week in May, if the ground is in fit condition. For successive crops sowings may be made every two or three weeks, until the first of July. Sow thinly in drills from 2 to 3 inches deep, and from 18 inches to 2 feet apart. If the soil is rather poor, the former depth will suffice; if rich, the latter. One quart to 100 feet of drill; 2 bushels to the acre in drills.

**Running or Pole Beans.** Succeed best in sandy loam, which should be liberally enriched with manure. Form hills from three to four feet apart, plant five or six beans in a hill, about two inches deep, leaving space in the center for the pole. One quart makes from 100 to 200 hills, according to the size of the beans. Eight to twelve quarts plant an acre.

## DWARF WAX PODDED VARIETIES.

**Currie's Rust Proof Golden Wax.** Black seeds, golden yellow pods; flesh, tender and very productive. Prepaid, pkt., 5 cts.; pt., 25 cts.; qt., 40 cts. Not prepaid, pt., 15 cts.; qt., 25c; pk. \$1.25; bu. \$4.50.



Currie's Rust Proof Golden Wax.

**Round Early Yellow Six Weeks.** Very prolific; pods neither flat nor round. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 12c; qt. 20c; peck \$1.00; bu. \$3.75.

**Long Early Yellow Six Weeks.** The leading market sort, flat green pods. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 12c; qt. 20c; peck \$1.00; bu. \$3.75.

**Early China.** Early and continues long in bearing. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 12c; qt. 20c; peck \$1.25; bu. \$4.25.

**Refugee Extra Early.** Has all the superior qualities of the famous Refugee, and is two weeks earlier. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 12c; qt. 20c; peck \$1.00; bu. \$3.75.

**Improved Red Valentine.** A favorite with market gardeners. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 12c; qt. 20c; peck \$1.00; bu. \$3.75.

**Early Mohawk.** Long, flat straight pods, very hardy. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 12c; qt. 20c; peck \$1.05; bu. \$3.85.



Golden Wax.

**Golden Wax.** Very early, round golden pods. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.20; bu. \$4.50.

**Bismarck Black Wax.** A grand bean, early and productive. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.25; bu. \$4.75.

**Black Wax or Butter.** Pods round and stringless, and of fine quality. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.35; bu. \$5.00.

**White Wax.** Flat Yellow Pods. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.35; bu. \$5.00.

**Flagolet Red Wax.** Flat, yellow, large and stringless pods. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.25; bu. \$4.75.

**White Kidney Wax.** Long, flat and pure white pods. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.50; bu. \$5.25.

**Yosemite Mammoth Wax.** The largest podded of all wax beans. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; pk. \$1.50; bu. \$5.50.

## GREEN PODDED BUSH VARIETIES.

**Best of All.** Early and of good quality; round, green, fleshy pods. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 12c; qt. 25c; pk. \$1.20; bu. \$4.25.



Bismarck Black Wax Beans.

AT PREPAID PRICES WE DELIVER SEEDS OFFERED ON THIS PAGE FREE TO ANY POST-OFFICE IN THE UNITED STATES.

**GREEN PODDED BUSH VARIETIES.**

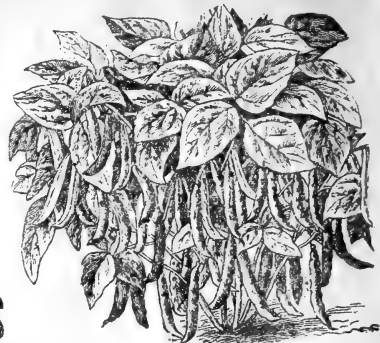
**Emperor William.** Earliest and largest of snap beans; pods flat. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 12c; qt. 20c; peck \$1.25; bu. \$4.25.

**White Marrow.** Good, either as a string or a shell bean. Prepaid, pkt. 5c; pt. 20c; qt. 30c. Not prepaid, pt. 10c; qt. 15c; peck 95c; bu. \$3.50.

**Dwarf Cranberry or Horticultural.** Late and productive. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.35; bu. \$5.00.

**Canada Wonder.** Long pods, very productive. Seed when ripe, has a red color. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 12c; qt. 20c; peck \$1.10; bu. \$3.95.

**Refugee, Late, or 1000 to 1.** A main crop bean, productive and tender. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 12c; qt. 20c; peck \$1.00; bu. \$3.75.



Extra Early Refugee.

**POLE BEANS****GREEN PODDED VARIETIES.**

**Horticultural or Cranberry.** Can be used as a shell or snap bean. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.40; bu. \$5.25.

**Dutch Caseknife.** Long flat green pods, and can be used as a shell or snap bean. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.50; bu. \$5.75.

**Lazy Wife.** Late beans, white, pods long and green. Prepaid, pkt. 5c; pt. 20c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.50; bu. \$5.75.

**Scarlet Runner.** Ornamental as well as edible. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; peck \$1.75; bu. \$6.50.

**Kentucky Wonder, or Old Homestead.** A very early green podded variety, entirely stringless. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.35; bu. \$4.75.



Early Yellow Six Weeks.

**POLE LIMA VARIETIES.**

**Extra Early Lima.** Earliest of Pole Limas. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.40; bu. \$5.25.

**Large White Lima.** Ripens 90 days after germination. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.40; bu. \$5.25.

**King of the Garden Lima.** Largest of the Limas in pod and bean. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.45; bu. \$5.25.

**Small White or Sieva Lima.** Small beans but very productive. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.50; bu. \$5.50.

**POLE WAX PODDED VARIETIES.**

**Black German Wax Pole.** Well known yellow podded variety. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; peck \$1.50; bu. \$5.75.

**Mont d'Or or Golden Cluster.** Ripens ten days later than the Bush Golden Wax. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.50; bu. \$5.50.

**Golden Andalusia.** Beans white and round, productive. Prepaid, pkt. 5c; pt. 25c; qt. 45c. Not prepaid, pt. 15c; qt. 30c; peck \$1.50; bu. \$5.50.



Early Mohawk.

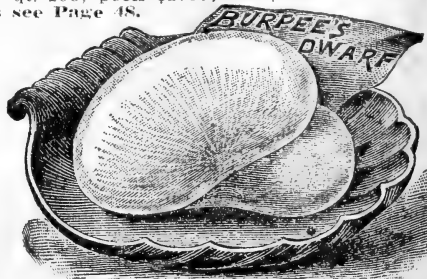
**BUSH LIMA VARIETIES.**

**Burpee's Bush Lima.** A dwarf or bush form of the true Large Lima which is of great value. They are of perfect bush form, growing 18 to 20 inches high, of stout and erect growth, yet branching and vigorous. An immense yield, each bush bearing from 50 to 200 handsome large pods, well filled with very large beans of luscious flavor. Does not always mature dry shelled beans in this latitude, but you are sure of a good crop of green ones. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.50; bu. \$5.75.

**Henderson's Bush Lima.** Earliest and most productive of all Bush Limas. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck \$1.50; bu. \$5.50.

For Field Beans see Page 48.

Our Beans  
are Hand  
Picked.



Burpee's Bush Lima.

**BEANS—ENGLISH OR BROAD.**

German—Garten- oder Sau-Bohne. French—Fève de Marias.

Plant early in spring in rows about 4 feet apart, sow 4 inches apart in the row and 2 inches deep. As soon as the lower pods are set, pinch off the plant to insure well filled pods. Perfectly hardy.

**Broad Windsor.** Prepaid, pkt. 5c; pt. 30c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; peck \$1.50; bu. \$5.50.

AT PREPAID PRICES WE DELIVER SEEDS OFFERED ON THIS PAGE FREE TO ANY POST-OFFICE IN THE UNITED STATES.

# CABBAGE

SPANISH-REPOLLO.

GERMAN-KOPF KOHL.

FRENCH-CHOUX POERMES.

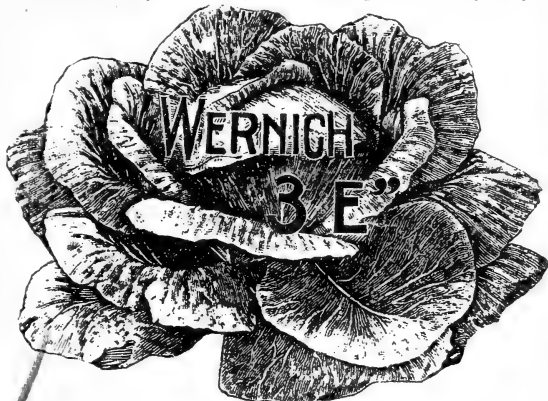
For early use, sow seeds of the early kinds in the hot beds or in a box in the house the last of January or early in February, and transplant them in the open ground in April, in rows two feet apart, and eighteen inches between the plants in the row; or sow in a bed of seed outside as soon as the soil can be worked, if you do not care for real early cabbage. These may be transplanted in about four weeks. For second early cabbage, sow in April, and transplant in May. For late cabbage, sow in May and transplant in July, in rows three feet apart and two feet between the plants in the row. One ounce of seed produces about 2,500 plants. Four ounces grow enough to set an acre.

## WERNICH'S <sup>EXTRA EARLY</sup> EUREKA CABBAGE.

"Eureka." Here we have it. Just what the Gardeners have been looking for, viz., an extra early and hard heading cabbage. Wernich's "Three E" or Extra Early Eureka, wins the prize and justly deserves to be placed at the head of the Early Cabbages. It is as early as the earliest Wakefield's and as hard as a cannon ball. It is a flat cabbage; grows very compactly, thus yielding a much larger crop than other early varieties and a splendid keeper for an early sort on account of its solidity. Pkt. 5c; oz. 25c; ¼ lb. 60c; 1 lb. \$1.85.

**Wernich's Earliest of All.** Heads the list as the earliest Cabbage in cultivation, maturing in from 80 to 85 days from sowing the seed. It has but few outer leaves, almost every plant forms a small conical head of a yellowish green color. In quality it is the best. Desirable for early market or home use. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.90.

**Early Jersey Wakefield. Select Stock.** Long recognized as the best, earliest marketable cabbage. Medium in size, in shape pyramidal with a pointed peak. Hardy plants can be wintered in cold frames. Is a reliable, certain header and one of the most profitable cabbages for the market gardener. Our strain of seed is of superior quality. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.

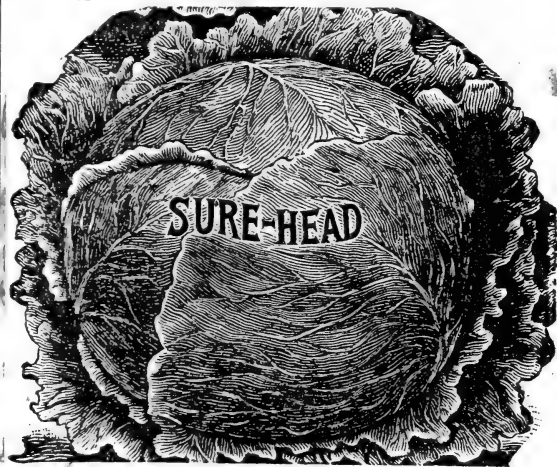


**Eclipse.** One of the earliest of the large cabbages. Heads very uniform in size with very few leaves, remarkably solid and very tender. Stem very short; color, dark green. Pkt. 5c; oz. 20c; ¼ lb. 55c; 1 lb. \$1.75.

**Early Market.** A favorite with Milwaukee gardeners. A desirable variety of excellent quality, tender and very mild flavor when cooked. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.25.

## Main Crop Varieties.

**All Head Early.** Heads flat, deep and solid; firm and tender; valuable also for late; seeds sown in July and set out in August will make fine heads. Largely planted by market gardeners. Nearly 10,000 can be grown on an acre, and nearly every one will produce a head. Pkt. 5c; oz. 15c; ¼ lb. 55c; 1 lb. \$1.75.



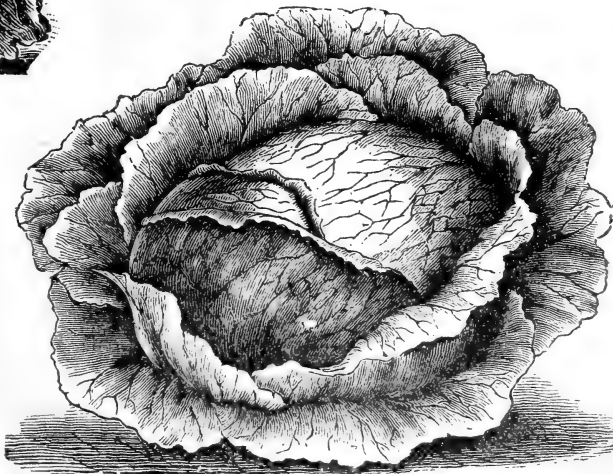
**Early York.** An old favorite. Heads small, heart shaped and firm. Almost certain to head and is a good shipping sort. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.45.

**Early Winningstadt.** Heads large, conical; leaves bright, glossy green. Valuable not only for early use, but for winter cabbage. Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.25.

**Early Flat Dutch.** A standard second early variety. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.60.

**Fottler's Brunswick.** Short Stem. We have a superior strain of this seed which brings large, flat, solid heads of excellent quality. Stem very short. A sure header and good shipper. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.60.

**Early Summer.** Comes in about ten days later than Wakefield, having much larger heads. Unexcelled for market garden and good for home use. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.



Early Flat Dutch.



# CABBAGE—Cont'd.

**Sure Head.** This famous Cabbage is most appropriately named for it can be relied upon with certainty to head even under unfavorable circumstances. The heads are large, very hard, firm, fine in texture, and sweet flavored. It is a late variety, keeps well, is good for shipping and is a favorite sort with market gardeners and for home use. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; 1 lb., \$1.65.

## LATE VARIETIES.

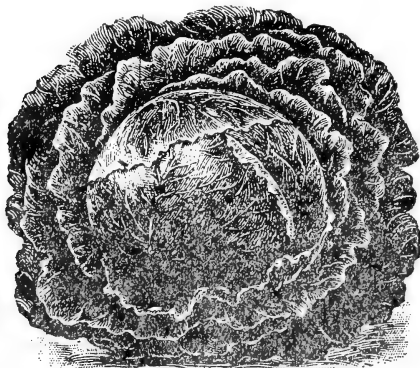
**Wernich's Holland or Danish Ballhead.** The best Cabbage for early spring sales. This entirely distinct variety comes from Denmark. It has been cultivated in America for five or six years and has proved a very desirable winter cabbage both on account of its uniformity in heading and from its extreme hard, solid head, which gives it superior keeping qualities. The heads are nearly round, almost as deep as they are wide. Color, blue green. The hard heads keep excellently when buried and present an attractive appearance when offered in the spring market. It has been thoroughly tested and may be relied upon to meet every claim made for it. Pkt., 10c.; oz., 25c.;  $\frac{1}{4}$  lb., 75c.; 1 lb., \$2.50.



**Large Late Drumhead.** Excellent winter variety with a broad, flat or round head, very compact and solid short stump, tender and good flavored, an excellent keeper. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.50.

**Luxemburg.** This makes a very good hard head of good size, extraordinary weight, and is remarkable for its keeping qualities. It is a grand sort for late spring sales, for after many kinds are gone it retains its bright green color. As a shipper it ranks with the best. As a yielder it cannot be beat. Pkt., 5 cts.; oz., 20c.;  $\frac{1}{4}$  lb., 65c.; 1 lb., \$2.25.

**All Seasons.** Much grown by market gardeners and is also an excellent variety for home use. Remarkable for its ability to stand hot sun and dry weather. Makes solid, hard heads of large size. It is both an early and late variety, and is most appropriately named. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; 1 lb., \$1.65.

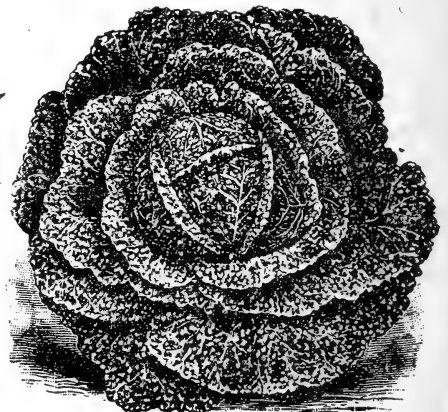


Mammoth Red Rock.



**The Lupton. A New Winter Variety.** This variety originated with one of the largest Cabbage seed growers of Long Island, whose name it bears, and we recommend it for the following points: The heads are particularly large in proportion to the plant, which is a strong grower, but does not spread out much. The stalk is rather short and color is a rich green; it is one of the best keepers and comes out in the spring bright and fresh. It is more uniform and heads better than the other late varieties. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; 1 lb., \$2.00.

**Selected Premium Flat Dutch.** A low growing variety, heads large, bluish green, round, solid, broad and flat on the top; an excellent fall and winter variety, and a good keeper. It is a sure header. Our stock has been grown from carefully selected heads. Large pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; 1 lb., \$1.75.



Improved Drumhead Savoy.

## RED LEAVED CABBAGES.

**Early Blood-Red Erfurt.** Earlier and smaller than the large red; valuable for pickling. Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 50c.; 1 lb., \$1.75.

**Large Red Dutch.** By far the best, largest and surest heading red cabbage. Color, deep rich red. Many successful market gardeners choose this for their entire crop of red cabbage, pronouncing it the best of all. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 60c.; 1 lb., \$1.95.

**Mammoth Rock Red.** A splendid large growing Red Cabbage; heads have frequently grown to 12 lbs. each, color deep red through to center of head. An excellent sort, and a sure header. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; 1 lb., \$1.95.

## SAVOY CABBAGES.

**American Drumhead Savoy.** The best of its class for home use or market. Heads large, solid and compact. Has rich, sweet flavor of the cauliflower when cooked. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; 1 lb., \$1.75.

**Early Dwarf Ulm Savoy.** Heads medium size, round and solid; leaves deep green and finely wrinkled. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 50c.; 1 lb., \$1.75.

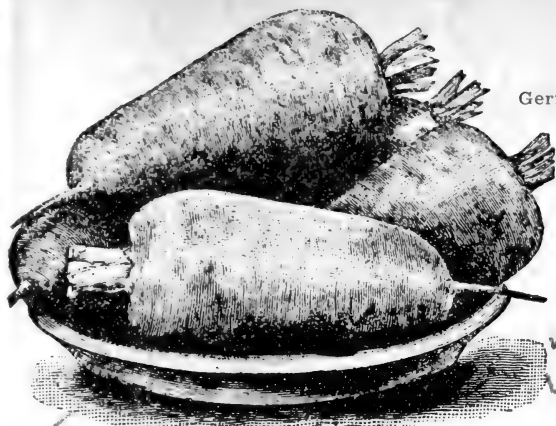
# CARROTS.

German—Gelbe Ruben. French—Carotte. Spanish—Zanahoria.

The Carrot, like other root crops flourishes best in a well enriched sandy soil, deeply tilled, and if plowed the fall before, all the better. Should be sown in early spring in drills from 15 to 18 inches apart, finally thinning plants to about three or four inches apart in the drill; keep clean by frequent hoeing and weeding. If neglected, the young plants are easily smothered and your crop is lost. The seed is slow to germinate, and if sown early or on moist soil, half an inch is deep enough to cover the seed. One ounce sows 150 feet of row. Four pounds will sow an acre.

✓ **Wernich's Improved Danvers.** For description see Novelties page 2.

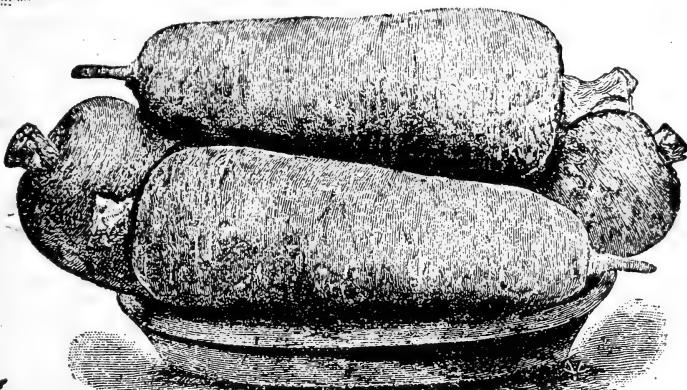
✓ **Early French Forcing.** Tender and fine for early and late crops and frames. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 85c.



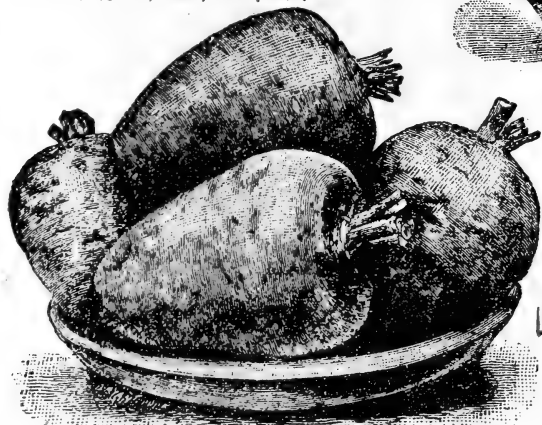
Half-long Nantes.

✓ **Early Scarlet Horn.** A variety of carrot long and favorably known to all growers. It is not large, but is often used for early crop. It is sometimes used for forcing. Considered by many to be the best early table sort. The flesh is fine grained and the color a deep orange. It has small tops and grows well in shallow soil. It matures 8 to 10 days sooner than Long Orange.

Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; 1 lb. 65c.  
✓ **Half-long Nantes.** This stump rooted variety is coreless. The flesh is of a bright orange color. It is early, has a smooth skin, and is most excellent for table use. It will mature in comparatively shallow soil. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb. 60c.



Chantenay.



Guerande or Oxheart.

✓ **Oxheart.** This carrot is a spindled sort. In length it comes between Early Scarlet Horn and Half Long Scarlet. It runs fully 3 to 4 inches in diameter, and specimens have been raised over 7 inches in diameter. In quality it is extra good, and will prove satisfactory for home use and profitable for market. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; 1 lb. 60c.

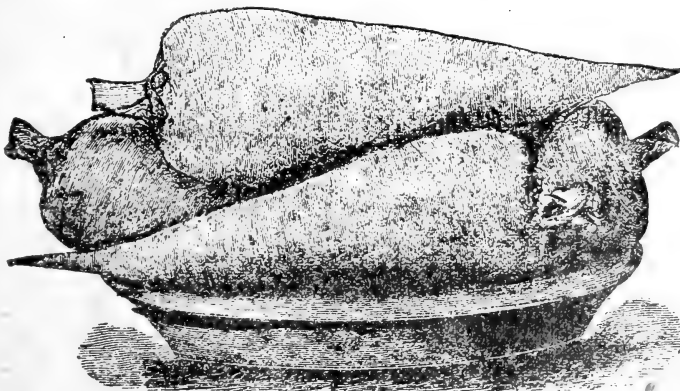
✓ **Large White Belgian.** Attains a length of one foot, standing one-third out of the soil. Rather coarse in flesh, but a heavy yielder and easily harvested. Flesh and skin white. Pkt. 3c.; 1 oz. 8c.; ¼ lb. 15c.; 1 lb. 45c.

✓ **Improved Long Orange.** Roots are of large size, smooth and fine grained. Color a deep orange. An enormous cropper. Pkg. 5c.; oz. 10c.; ¼ lb. 15c.; 1 lb. 50c.

✓ **Mastodon.** Largest in size, largest in yield. Often measures 15 to 20 inches in circumference. Not recommended for table use but is an excellent Carrot for feeding stock. Pkt. 5c.; oz. 10c.; ¼ lb. 15c.; 1 lb. 50c.

✓ **Half Long Danvers.** This variety is well adapted to all soils and sections, and some years leads my whole list in number of orders. It is half long in shape, almost cylindrical, somewhat stump rooted, and of rich, dark orange color. I claim that it will yield greater bulk and weight for a given length of root than any other carrot ever grown. Over 40 tons per acre of Half-long Danvers have been grown, and a yield of 25 to 30 tons per acre is not uncommon. This is a widely popular and successful carrot. Pkt. 5c.; oz. 10c.; ¼ lb. 20c.; 1 lb. 55c.

✓ **The Chantenay.** This variety is a very productive one. It has an extra large shoulder, is easily dug, and is desirable in all respects. It is a stump rooted sort, very smooth, fine in texture and of a beautiful, rich orange color. For table use it is considered by many to be the best of all, both on account of shape and quality. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.



Improved Long Orange.

WE DELIVER ALL SEEDS OFFERED ON THIS PAGE FREE TO ANY POSTOFFICE IN THE UNITED STATES.

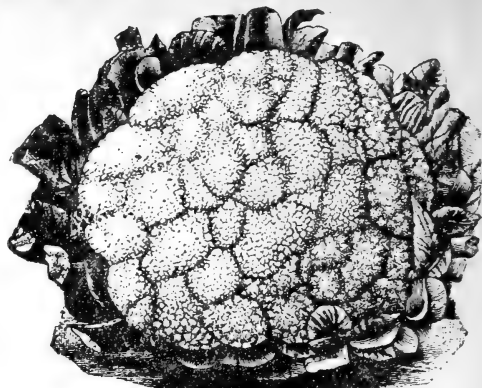


## CAULIFLOWER.

German—Blumenkohl. French—Choufleur. Spanish—Coliflor.

Sow seed in the hot-bed in January or February and transplant the plants two or three inches apart in boxes, or in the soil of another hot-bed, until such time as they are safe to be planted in the open ground, which in this latitude is usually from the 15th of March to the 10th of April. Set the plants 2 feet to 15 inches apart. When heading, tie the outside leaves loosely over the head to protect it from the sun. Water plentifully in dry weather. One ounce of seed gives 1,500 to 2,000 plants.

**Wernich's Earliest Snowball.** The Sort for Market Gardeners to use. Wernich's Early Snowball Cauliflower is of dwarf, compact habit. Almost every plant will make a large head of pure white color, and of the best quality. Not only is this the best early variety, but it is superior to all others for fall use. Pkt., 15c.;  $\frac{1}{2}$  oz., \$1.35; oz., \$2.50;  $\frac{1}{4}$  lb., \$9.00.



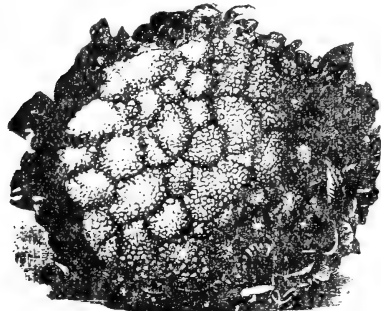
Wernich's Earliest Snowball.

**Henderson's Early Snowball.** This very superior strain is noted for producing early plants of dwarf habit, short, compact growth, and uniform shape. It is extremely hardy and one of the surest to make a solid head. Pkt. 15c.;  $\frac{1}{2}$  oz. \$1.35; oz. \$2.50;  $\frac{1}{4}$  lb. \$8.00.

**Wernich's Selected Earliest Dwarf Erfurt.** The earliest of the earliest. Very dwarf, small leaved; can be planted twenty inches apart and forced. Makes a fine firm head of snowy whiteness, tender and of delightful flavor. Pkt. 10c.;  $\frac{1}{2}$  oz. \$1.15; oz. \$2.00;  $\frac{1}{4}$  lb. \$7.00.

**Early London.** Where extreme earliness is not essential, this will be found one of the best. Pkt. 5c.;  $\frac{1}{2}$  oz. 25c; oz. 45c;  $\frac{1}{4}$  lb. \$1.50; 1 lb. \$5.00.

**Autumn Giant.** A late variety, vigorous habit. Pkt. 5c.;  $\frac{1}{2}$  oz. 30c; oz. 50c;  $\frac{1}{4}$  lb. \$1.75; 1 lb. \$6.75.



Earliest Dwarf Erfurt.

## CELERY.

German—Sellerie. French—Celeri. Spanish—Aplo.

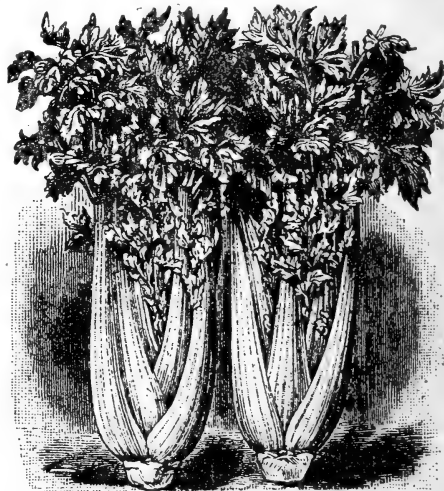
Little of the seed is now sown in hot beds, but is sown in a cold frame, or even out in open air, early in April, and in June and July is transplanted where it is intended to mature. The young plants, before transplanting, should be clipped down partially two or three times to promote stubby growth.

**White Plume.** Unlike most varieties, this one does not require to be earthed up, but if only loosely tied, a few handfuls of earth brought close together, all the inner leaves or thin stalks will turn white. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75.

**Pink Plume.** Resembles the White Plume, excepting that the stalks are tinged with pink. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.00.

**Golden Self-Blanching.** Like the White Plume, this Celery requires very little earthing up, and in many other respects it is similar to that favorite sort, differing however in color, which is yellowish, the heart being large and solid and of a golden hue. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Giant Pascal.** A selection from the famous Golden Self-Blanching. It produces broad and thick, solid stalks of handsome appearance, which are entirely stringless, crisp and tender. Pkg. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.40.



Golden Self-Blanching Celery.

**New Rose.** Very crisp, and of good flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.50.

**Crawford's Half Dwarf.** Of vigorous growth and of excellent flavor. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.40.



Giant Prague Celeriac

## CELERIAC.

OR TURNIP ROOTED CELERY.

German—Knollen-Sellerie. French—Celeriac-Rave.

Spanish—Apio-Napo.

A variety of celery having turnip-shaped roots, which, when cooked, sliced and used with vinegar, makes an excellent salad.

**Large Erfurt.** Pkt., 5c.; oz., 15c.;  $\frac{1}{4}$  lb., 40c.; 1 lb., \$1.25.

**Large Smooth Prague. Extra Select.** In our extra select stock we claim we have got the finest strain of Root Celery it is possible to produce. The bulbs are globe-shaped, large, smooth, and are entirely free from side roots. Pkt., 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.50.

WE DELIVER ALL SEEDS ON THIS PAGE FREE TO ANY POSTOFFICE IN THE UNITED STATES AT PRICES QUOTED.

# SWEET CORN

German—Welschkorn. French—Mais. Spanish—Maiz.  
**Peck and Bushel Prices Subject to Market Change.**  
**For Field Corn, see pages 40, 41 and 42. Farm Seeds Department.**

Sow in rows four and a half feet apart, or plant in hills, if in rich soil, a distance of about four feet each way. If the soil is poor and the variety dwarf, the distance apart may be lessened. Begin planting in May and continue until the last week in July. One quart to 200 hills, 8 to 10 quarts to the acre in hills.

**First of All.** Corn is ready for the table from three days to a week earlier than Cory, making it very desirable, not only for family gardens, but extremely valuable to grow for market, where the earliest corn always brings by far the highest prices. The ears are of medium size, well filled with large grain to the tip. Many of the ears contain ten or twelve rows. In habit of growth it is rather dwarfer than the Cory, although similar in appearance; but superior in quality, tender and sweet. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; peck, \$1.10; bu. \$4.00.

**Extra Early Adams.** Very early, but more of the quality of field than of sweet corn. It is, however, the standard extra early variety in the south, and can be depended upon to give a crop there when most other sorts fail. Prepaid, pkt. 5c; pt. 15c; qt. 30c; not prepaid, pt. 10c; qt. 15c; peck, 75c; bu. \$2.50.

**Early Cory (Red Cob).** Recognized throughout the United States as the standard early sweet corn. Ears 8-rowed, with red cob, and broad light pink grains. A profitable sort to grow for early market. Prepaid, pkt. 5c; pt. 15c; qt. 25c. Not prepaid, pt. 10c; qt. 15c; pk. 95c; bu. \$3.50.

**Early Minnesota.** An old but most excellent variety, both for market and home use. Ears fair size and uniform, 8-rowed, kernels tender and sweet; color white. Nearly as early as Cory. Prepaid, pkt. 5c; pt. 20c; qt. 35c; not prepaid, pt. 15c; qt. 25c; peck, \$1.10; bu. \$3.75.

**Perry's Hybrid.** Nearly as early as Minnesota, with large ears, 12 to 14 rowed, averaging 2 ears to a stalk. Kernels large, cooking white and tender. Prepaid, pkt. 5c; pt. 20c; qt. 35c; not prepaid, pt. 15c; qt. 25c; pk. \$1.10; bu. \$3.85.

**Chicago Market.** It has many good points to commend it, chief among which are earliness, large size, fine appearance (being well formed), great productiveness, 2 or 3 ears on a stalk, and superior table quality. It is 12 rowed, cob white. A stout, stocky grower, and is equally valuable for the home gardener and the trucker. Prepaid, pkt. 5c; pt. 20c; qt. 35c; not prepaid, pt. 15c; qt. 25c; peck \$1.10; bu. \$3.85.

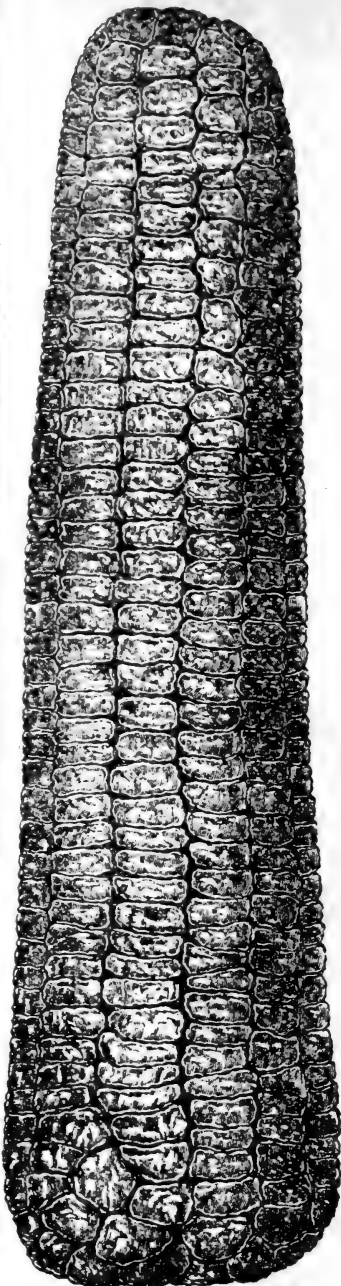
**Concord.** Of strong growth, ears large and well filled; medium late. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; peck \$1.10; bu. \$3.95.

**Country Gentleman.** An excellent corn for family use. The ears are of good size with a small cob, and very deep, clear white kernels, tender and sweet. It is very productive, many of the stalks bearing three or four ears. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; peck \$1.75; bu. \$6.50.

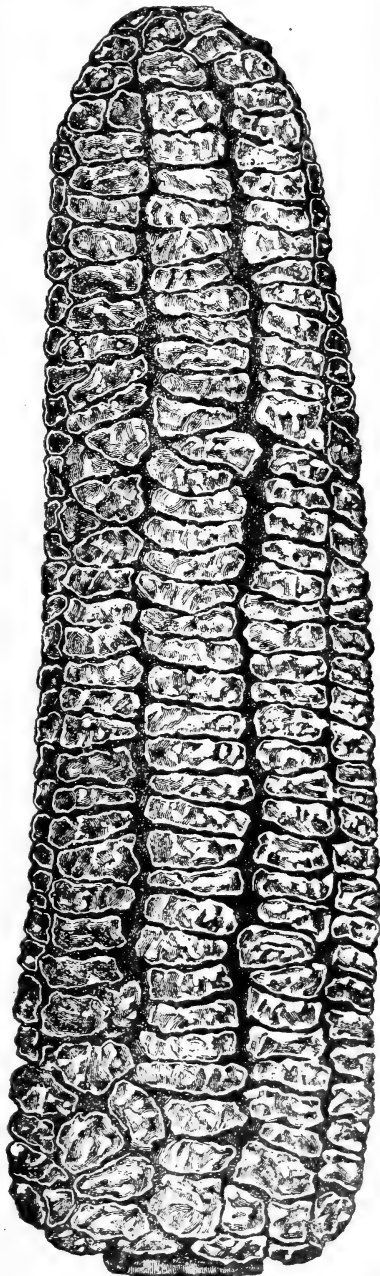
**Black Mexican.** Although the ripe grain is black or blue-black in color, the corn, when in condition for table cooks almost white. It is very sweet and tender. Once tried in the family garden, it is sure to be continued. Prepaid, pkt. 5c; pt. 15c; qt. 25c. Not prepaid, pt. 10c; qt. 15c; peck 95c; bu. \$3.50.

**Stowell's Evergreen.** A favorite with gardeners and canners. Planted at the same time with earlier kinds it will keep the table supplied until October. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; peck \$1.50; bu. \$5.00.

**Mammoth Sugar.** Ripens a little later than the Evergreen. Large ears. Kernels flat. Prepaid, pkt. 5c; pt. 20c; qt. 35c. Not prepaid, pt. 15c; qt. 25c; peck \$1.25; bu. \$4.50.



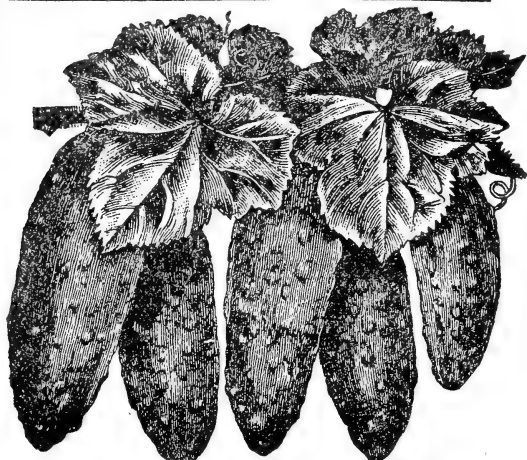
First of All



Stowell's Evergreen

# CUCUMBERS.

All Five Varieties Cucumbers  
shown on this page 5 packages  
in all for 15 cts.

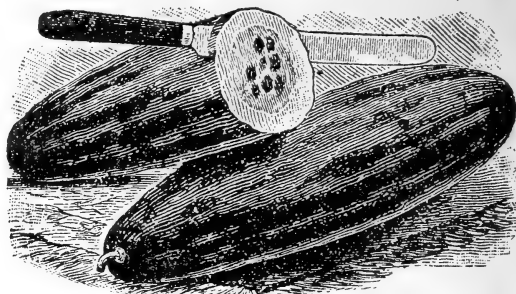


Wernich's Chicago Pickling.

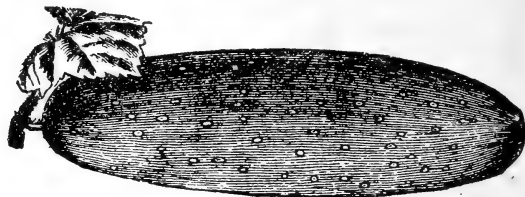
Plant in hills four feet apart, in well prepared, warm, rich loamy soil. Mix a shovelful of well-rotted manure in each hill. The fruit should be picked when large enough, whether they are wanted or not, as it destroys the vitality of the vine if left to ripen. One ounce to 50 hills; two pounds to the acre in hills.

## WERNICH'S CHICAGO PICKLING.

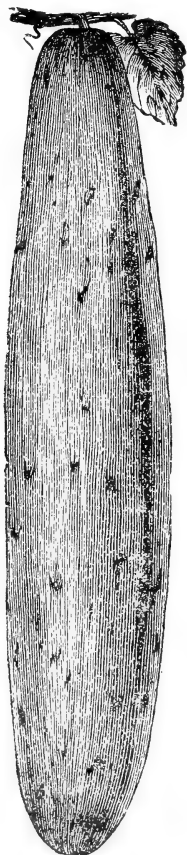
It is undoubtedly the best cucumber for pickles, and it is used almost exclusively by our pickle factories. The fruit is of medium length, pointed at both ends, with large and prominent spines; color deep green; begins to set its fruit when the vines are quite young. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 75c.



Cool and Crisp.



Improved White Spine.



Improved Long Green.

**Giant Pera.** Flesh clear white and very crisp. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.20.

**Cool and Crisp.** As a Cucumber for slicing, we know of none better. Long and slim, pointed at the ends, very dark green, almost black. One of the earliest. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 75c.

**Green Prolific.** Great bearer of medium sized fruit that is excellent for slicing as well as for pickling. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 65c.

**Boston Pickle.** A favorite eastern variety of fine quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c.

**Early Short Green.** Productive and good for pickling. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 65c.

**Everbearing.** Very small, early and productive. A good pickler. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 75c.

**Improved Long Green.** Long and crisp; good for pickling. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 70c.

**Improved White Spine.** An early sort of fine shape and quality. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 70c.

**West India Gherkin.** The smallest cucumber known, and used exclusively for pickling. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00.

**Japanese Climbing.** Good for frames or open ground. Can also be trailed and makes nice shade where trailed on verandas. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 30c; 1 lb., \$1.00.

**New Goliath.** Grows enormously large, from 20 to 25 inches and larger. Grows equally well in frame or outdoors. Every one should try them. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; 1 lb., \$1.25.

**African Horned.** A climbing variety. One hill will produce enough vines to cover a space of 10 feet square. The fruit when ripe is 4 inches in length, is thickly studded with prickly points. Fruit when very young makes good pickles. Pkt., 10c; 3 for 25c.

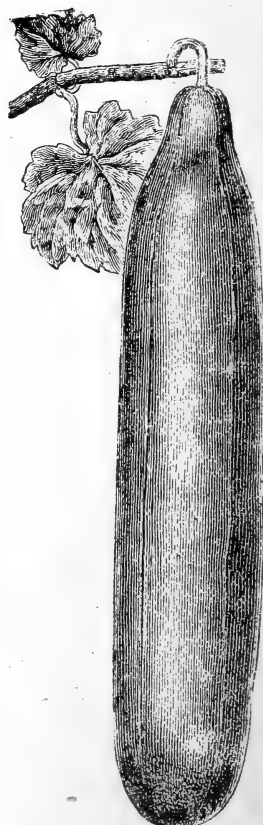
## ENGLISH CUCUMBERS FOR FRAMES.

The following are for growing in hot-beds or houses particularly constructed for forcing, so that a supply can be furnished during the winter months, at which time the prices are very remunerative. Sow seeds in October, November or December, according to the time they are wanted.

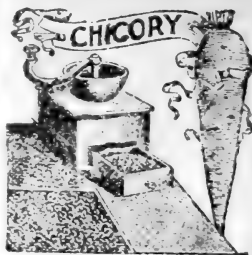
**Model Forcing.** Most excellent sort. Pkt., 25c.

**Telegraph Forcing.** Extensively grown. Pkt., 25c.

ALL SEEDS ON THIS PAGE DELIVERED  
FREE AT PRICES QUOTED.



Giant Pera.



A good substitute for Coffee.

## POP CORN.

**Queen's Golden Pop Corn.** The stalks grow six feet high and the large ears are produced in abundance. Its quality and handsome appearance when popped are very noticeable. It pops perfectly white, and a single kernel will expand to a diameter of nearly one inch. Prepaid, pkt., 5c.; pt., 20c.; qt., 35c.; not prepaid, pkt., 10c.; qt., 20c.; peck, 90c.; bu., \$3.25.

**Silver Lace Pop Corn.** It suckers so that a single kernel will produce 3 or 4 stalks. The ears are very handsome, 5 to 6 in. in length, with 16 rows well filled out to the end with smooth, round, metallic white grains. Prepaid, pkt., 5c.; pt., 20c.; qt., 35c.; not prepaid, pt., 10c.; qt., 20c.; peck, 90c.; bu., \$3.25.

## CHICORY.

German—Cichorienwurz. French—Cicore Sauvage. Spanish—Achicoria.  
1 ounce for 100 feet of drill.

The roots dug in the fall, dried, cut into thin slices, roasted and ground, are used largely as a substitute for coffee. Seed should be sowed thinly in shallow drills, early in the spring. When well started, thin out to stand two or three inches apart and give good cultivation, so that the roots may grow as large as possible.

**Large-rooted or Coffee.** The standard. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

## CORN SALAD OR FETICUS.

German—Stecksalat. French—Mâche. Spanish—Macha o Valerianilla.

1 oz. to 35 feet of row.

It is used during the winter and early spring as a substitute for Lettuce. Seeds may be sown in August or September, in shallow drills, and protected in cold sections by leaves or straw during the winter. Cultivate as Lettuce.

**Large Leaved.** Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 55c.



Curled Garden Cress.



Corn Salad.

## CRESS OR PEPPER GRASS.

German—Kresse. French—Cresson. Spanish—Mastuerzo.

A well-known pungent salad; can be used alone or with lettuce. Requires to be sown thickly (covering very lightly) at frequent intervals to keep up a succession, as it soon runs to seed.

**Curled Garden.** Very fine, may be cut two or three times. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 45c.



Water Cress.

**Upland Cress.** It is a hardy perennial, stays green nearly the whole year, and is ready for use before any other salad in the spring. Sow in April in rows 1 foot apart. Pkt., 10c.; oz., \$1.00; ¼ lb., \$3.50; 1 lb., \$12.00.

**Water Cress.** It is easily grown by planting along margins of ponds and streams, where it increases both by spreading of the roots and by seeding. Pkt., 5c.; oz., 30c.; ¼ lb., 80c.; 1 lb., \$3.00.



## CHIVES.

The tops appear very early in the spring, and can be shorn throughout the season. Every garden should contain a few clumps. By some considered indispensable for use in omelets. Pkt., 5c.; ½ oz., 25c.; oz., 40c.

## CHERVIL.

French—Cerfeuil. German—Gartenkerbel.

**Curled.** The young leaves are used in soups and salads. Sow in May in drills half an inch deep. 1 oz. to 100 feet of drill 1 foot apart. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

WE DELIVER ALL SEEDS ON THIS PAGE FREE TO ANY POSTOFFICE IN THE UNITED STATES AT PRICES QUOTED.

## ENDIVE.

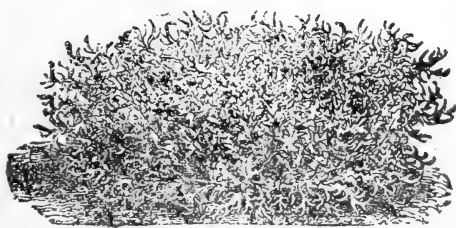
German—Endivien. French—Chicoree Endive. Spanish—Escarola or Endivia.

Sow in June, July and August; cover lightly; when up, thin to eight inches apart, and water well after if dry. When the leaves are six or eight inches long, bleach by gathering in the hand and tying together near the top with yarn or bast. This must be done when quite dry, or they will rot. At the approach of winter, take up carefully a ball of earth, to each plant and place close together in frame or cellar for use. They must be kept dry, and have plenty of air, or they will rot.

**Green Curled.** Standard variety for fall and winter crop.

Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.10.

**Broadleaved. Sweet.** For fall or winter. Pkt., 5c.; oz., 15c.; ¼ lb., 35c.; 1 lb., \$1.10.



Green Curled Endives.



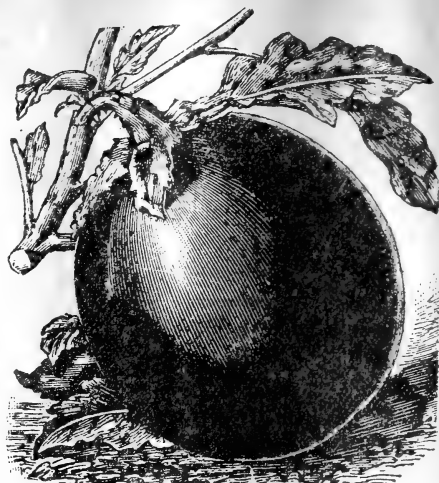
**EGG PLANT.**

German—Eierpfloaze. French—Aubergine. Spanish—Berengena.

Sow in hot-bed the first week in March, and plant out in June, about 2½ feet apart. For a small garden a few seeds may be raised in common flower-pots in the house. One ounce to 150 feet of drill.

**Improved New York Spineless.** Very large and smooth, fine dark color. Pkt., 5c.; oz., 35c.; ¼ lb., \$1.00; 1 lb., \$3.50.

**Purple Perfection Thornless.** A favorite sort amongst market gardeners. Very prolific. Pkt., 5c.; oz., 30c.; ¼ lb., 75c.; 1 lb., \$2.75.



Egg Plant.

**KALE.**

German—Blactter Kohl. French—Chou Vert. Spanish—Breton.

Sow in prepared beds, middle of April to beginning of May, and transplant beginning of June same as Cabbage. All the varieties are very hardy, and are best when touched by frost. 1 ounce to 1,500 plants.

**Half Dwarfed Green Curled.** Very dwarf and of spreading habit. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 75c.

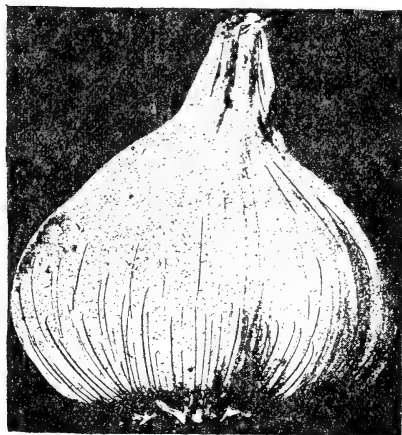
**Tall Brown Scotch.** Very hardy. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 85c.

**Siberian or Winter.** Dwarf, hardy and green curled. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

**OKRA OR GUMBO.**

German—Safran. French—Gombaud. Spanish—Gombo. The pods, when young, are used in soups, stews, etc., and are very nutritious. Sow at the usual time of all tender vegetables, and set the plants from two or three feet apart in drills.

**Improved Dwarf Green.** Tender and long pods. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 50c.



Bavarian Selected Garlic.

**KOHL-RABI.**

German—Knoll Kohl. French—Chou Rave. Spanish—Colraban.

When young and tender, they are fine for table use; when matured, they keep well and are excellent for feeding stock.

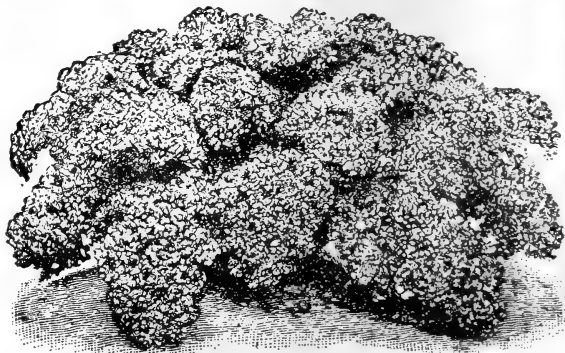
**Early White Vienna.** Handsome and delicate. For forcing. Pkt., 5c.; oz., 20c.; ¼ lb., 50c.; lb., \$1.75.

**Early Purple Vienna.** A good sort, of purple color. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

**Large Green.** Forms a large ball. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.



Early White Vienna Kohlrabi.



Half Dwarf Green Curled Kale.

**LEEK.**

German—Poree oder Lauch. French—Poireau. Spanish—Puerro.

Sow early in spring, and when plants are three or four inches high, thin to eight inches apart. Hoe the earth well up to the stalk to blanch it. One ounce to 100 feet of drill.

**American Flag.** Popular market sort, hardy. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 95c.

**Large Carentan.** A superior sort; dark leaves, very hardy. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., \$1.35.

**MARTYNIA.**

Sow in May, in the open ground, three feet apart in each direction, where the plants are to remain; or, the seed may be sown in a hot-bed, and the seedlings afterwards transplanted. Pick when small and tender, and preserve the same as cucumbers.

**Probosciden.** Pkt., 5c.; oz., 30c.; ¼ lb., \$1.00; lb., \$3.00.

WE DELIVER ALL SEEDS OFFERED ON THIS PAGE FREE TO ANY POSTOFFICE IN THE UNITED STATES.



## CULTURE.

If wanted for early spring use, sow in seed bed in September or October, and protect through the winter, with cold frames, or in the south with leaves or litter, or sow in a hot bed in early spring as soon as the ground can be well worked, transplant in good, rich ground, two rows eighteen inches apart, and eight to ten inches in the rows. For a later supply, plant every two weeks from the middle of April to July, choosing varieties according to their heat resistance. If sown outside, to be cut young, sow thickly in drills or broadcast; but if fine, strong heads are desired, sow in drills one-fourth inch deep, eighteen inches apart, and thin, rather than transplant, to twelve inches apart in rows. One ounce of seed makes 2,000 plants.



May King.

## HEAD OR CABBAGE LETTUCE.

## May King Lettuce.

(A New Cabbage Lettuce.)

The great value of this Lettuce, which has actually been cultivated in quantities for the markets of Berlin and other large places, with the greatest pecuniary success, and of which the most favorable reports have been received from all parts, is its surprisingly rapid development, its size, weight, tenderness, hardness, and the fact, that it not only forces well in moderate heat, but develops its large crop of magnificent heads in the open ground about 10 days sooner than any other sort.

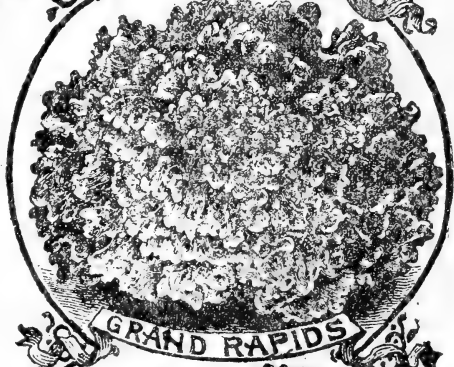
"May King" will stand a frost, and even the earliest sowings have never been attacked by mildew. It averages about 12½ oz. and in many instances 16 oz. and will stand from 10 to 14 days after attaining maturity without running to seed.

The head is of globular shape, hard and well closed; the leaves are light green, with delicate ribs and lightly waved; the interior is of a clear yellow, very tender and of fine flavor. Price, per pkt. 10c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.00.

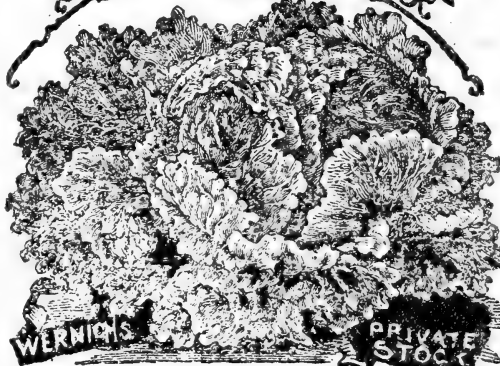
**Wernich's Private Stock.** The most satisfactory variety for producing fine, large, solid and well balanced heads, excellent for cold frames or growing in the open ground. Very sure and compact heading and resists the sun a long time before shooting into seed. Leaves are



YELLOW SEEDED BUTTER



GRAND RAPIDS



WERNICH'S

PRIVATE STOCK

WE DELIVER ALL SEEDS FREE TO ANY POST OFFICE IN THE UNITED STATES AT PRICES QUOTED.

curly and crumpled. Market Gardeners will find this a very good yielding sort, a ready seller and money getter. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1b. \$1.25.

**Iceberg.** (New.) Of beautiful appearance and excellent quality; leaves green, slightly tinged with red at the edge; heads good size. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1b. 75c.

**Stubbornhead.** Solid heads, crisp and hardy. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1b. 75c.

## HEAD LETTUCE.

**Hanson.** Heads very large, solid, tender, crisp and of fine flavor. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1b. 85c.

**Yellow Seeded Butter.** A valuable variety for late spring and summer planting, as it will stand the heat better than most sorts, and is slow to go to seed. Its large, solid, yellow heads are very crisp and tender. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1b. 85c.

**St. Louis Butter.** This is a great favorite with Chicago gardeners, owing to its solidity, crispness and good flavor. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1b. \$1.00.

## CURLED LETTUCE.

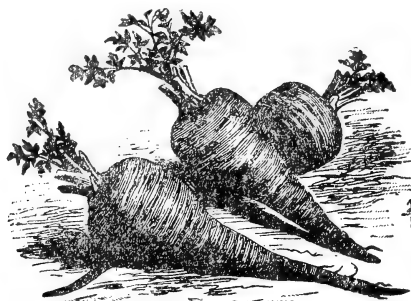
**Prize Head.** Plant large, deep green, so washed with red as often to appear more red than green, forming a head of a dense mass of leaves rather than one like a cabbage, and very slow to run to seed. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 80c.

**Grand Rapids.** As a distinctively forcing lettuce this variety undoubtedly stands at the head of the list. It is largely grown for shipment, and is considered by many the best loose head lettuce for forcing under glass. Leaves medium size, of light, yellowish green color, much crimped and frilled, thin but of very upright growth; form a fair size but loose head; crisp, tender and of good quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1b. 75c.

**Black Seeded Simpson.** An excellent forcing variety. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1b. 65c.

**St. Louis Forcing.** This is the leading forcing variety with the St. Louis Market Gardeners. The best for forcing or early planting out of doors. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1b. \$1.00.

**Early Curled Silesian.** This variety does not head, but forms a compact, close mass of leaves. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1b. 70c.



Turnip Rooted Parsley.

## PARSLEY.

German—Petersille. French—Persil. Spanish—Peregil.

Sow early in Spring half an inch deep, previously soaking the seeds for a few hours in tepid water. One ounce to 150 feet of drill.

**Fine Doubled Curled.** A fine dwarf variety. Pkt., 5c; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

**Plain.** The leaves are plain; it is harder than the curled. Pkt., 5c; oz., 10c.; ¼ lb., 15c.; 1 lb., 50c.

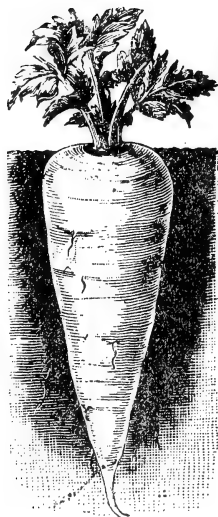
**Hamburg or Turnip Rooted.** The roots are used for flavoring soups. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.

## PARSNIPS.

German—Pastinake. French—Panals.  
Spanish—Chirivia.

Cultivate as for Carrots. It is customary to leave Parsnips in the ground over winter as frost improves the quality of the roots.

**Guernsey.** Half long; good cropper. Pkt., 3c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 45c.  
**Long Smooth or Hollow Corn.** The best for table use. Pkt., 3c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 45c.



Guernsey Parsnip.

## PEPPER.

German—Pfeffer. French—Piment.  
Spanish—Pimiento.

Sow in hot-beds in March, and when the soil has become warm, set in rows two feet apart and eighteen inches in the row.

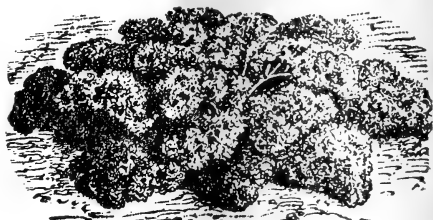
**Procuyp's Giant.** Scarlet red fruit, eight to ten inches in length and three inches in diameter. Pkt. 5c; oz. 20c; ¼ lb. 60c; 1 lb. \$2.10.

**Ruby King.** Large, bright red fruit, mild. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.

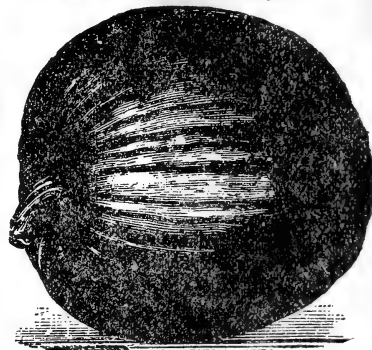
**Sweet Spanish.** (Bell shaped). A pickling variety. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.75.

**Golden Dawn.** Handsome and mild. Pkt. 5c; oz. 25c; ¼ lb. 60c; 1 lb. \$2.00.

**Chili Red.** Productive and largely used for pickling. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.60.



Double Curled Parsley.



Connecticut Field.

## PUMPKINS.

German—Feld-Kuerbis. French—Potiron.  
Spanish—Calabaza Fotanera.

Plant in May or early June, in hills eight feet apart each way. One ounce for fifteen hills; four to six pounds to an acre.

**Calhoun.** Very superior quality, yellow flesh, fine for pies. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb. 60c.

**Large Cheese.** Flat, and one of the best varieties for family use. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb. 50c.

**Wernich's Mammoth Giant.** The largest of all sorts, sometimes weighing 250 lbs. Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; 1 lb., \$1.15.

**Connecticut.** Grown for stock; productive. Pkt., 3c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 35c.

**Negro.** Pkt., 3c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 60c.

## RHUBARB.

Pie Plant—Wine Plant.  
German—Rhabarber. French—Rhubarbe.  
Spanish—Ruibarro.

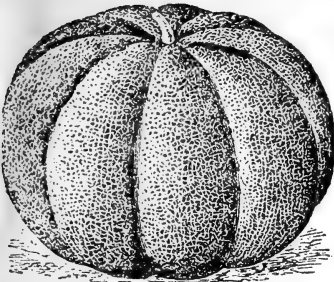
A deep, rich soil is best for Rhubarb. Sow early in drills eighteen inches apart and one inch deep; the spring following transplant, allowing each plant at least two feet square; each fall mulch with manure. One ounce makes about 600 plants.

**Linnaeus.** Very early, large and crisp. Pkt., 5c; oz. 10c; ¼ lb. 40c; 1 lb. \$1.25.

**Victoria.** Large and later than Linnaeus. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.



# MUSKMELONS.



The Banquet.

**The Banquet.** Beautifully netted, medium size, flesh rich salmon. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 85c.

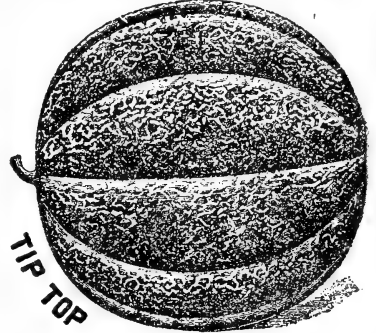
**Netted Gem.** Flesh green, size uniform, shape oval. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**Green Citron.** A large melon of fine flavor, often weighing 12 lbs. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

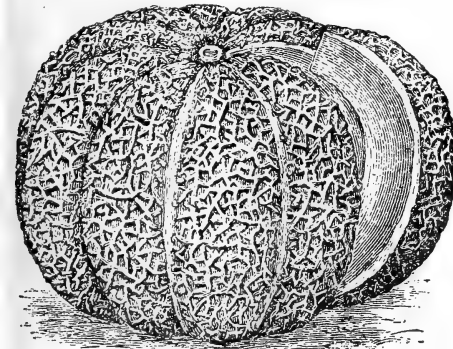
**Extra Early Hackensack.** One of the earliest and of fine flavor. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**Tip Top.** Possesses all good qualities and very early. Pkt. 5c; oz. 10c; ¼ lb. 30c; 1 lb. 90c.

**Paul Rose.** A new red fleshed melon, a cross between the well-known Osage and Netted Gem, which gives it the sweetness of the former and the netting of the latter. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; 1 lb., \$1.00.



TIP TOP



Extra Early Hackensack.

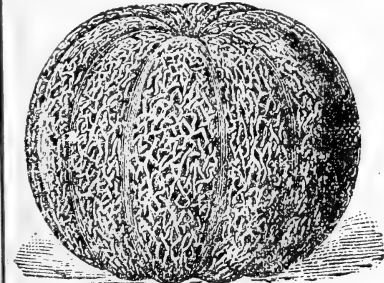
## MANGO MELON.

(Vegetable Vine Peach).

They are excellent for preserves or sweet pickles and when fully ripe are considered a delicacy sliced raw and served with sugar. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; 1 lb. 85c.

## GARDEN LEMON.

Resembles the Vine Peach in fruit. Is somewhat smaller than Vine Peach, has thinner flesh, and is decidedly more acid, thus dispensing with sliced lemons which are so important in putting up the Vine Peach. As a fruit for preserves it cannot be excelled. Pkt., 10c.; oz., 15c.; ¼ lb., 50c.



Early Nutmeg.

German—Melone. French—Melon. Spanish—Melon

A rich, sandy soil is most desirable for melons. The seed should be planted where the ground has become warm, in hills six feet apart each way. Old, well-rotted manure should be thoroughly mixed with the soil in each hill; six to ten seeds in the hill; finally, when danger from insects is passed, leave three or four of the strongest plants only. If the plants grow very rank, the tips of the strongest shoots should be pinched off when about three feet long; also if the fruit is excessive, they may be thinned out, which will cause the melons to ripen earlier and increase the size of the fruit. Melons may be forced like cucumbers, and the practice is growing in favor annually among melon men, as the method becomes better understood, and on account of the large profit gained by having home-grown melons in market some days ahead of the outside planting. Cultivate thoroughly and often. One ounce of seed for sixty hills; two or three pounds for an acre.

**Princess.** Large, green skin, yellowish flesh, early and productive. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 85c.

**Osage.** One of the best varieties for market gardeners. Pkt. 5c; oz. 15c; ¼ lb. 25c; 1 lb. 75c.

**Winter Pineapple.** An extraordinary melon, which can be kept in splendid condition for months after harvesting; late. Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.75.

**Shumway's Giant.** One of the largest. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

**Long Yellow Cantaloupe.** Yellow flesh; very hardy and adapted for the north. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.

**Prolific Nutmeg.** Medium size with flat ends. Very delicious. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 75c.



## MUSHROOM SPAWN.

Mushrooms can be grown in a cellar, in sheds, or in hot beds in open air, on shelves, or out-of-the-way places. Fermenting horse manure at a temperature of about 70 degrees, mixed with an equal weight of fresh sod loam, is made into beds the size required, eight inches deep. See to it that the bed is packed very solidly and evenly. In this bed plant the broken pieces of spawn six inches apart, covering the whole with two inches of light soil, and protect from cold and rain. One brick will plant from eight to ten square feet of bed. The mushrooms will appear in about six weeks. Water sparingly and with luke warm water.

**English.** In bricks. Prepaid, 1 lb., 25c. Not prepaid, 1 lb., 15c.; 10 lbs. \$1.20; 25 lbs. \$2.50.

**French.** Loose. Prepaid, 1 lb., 50c.; 3 lbs., \$1.25. Not prepaid, 1 lb., 40c.; 3 lbs., \$1.00.

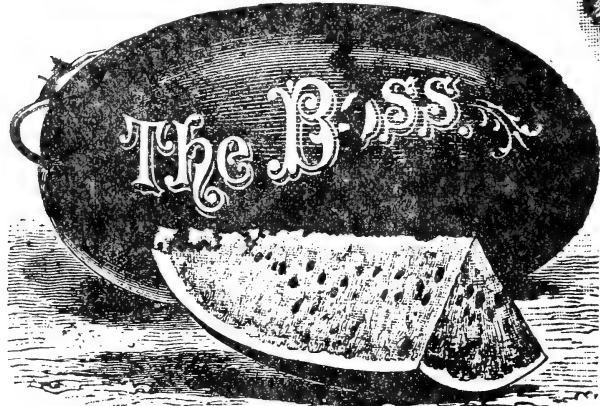
## ROBINSON'S MUSHROOM CULTURE.

A book giving directions how to raise mushrooms. Postpaid, 50c.

# WATERMELONS

German—Wasser Melone. French—Melon d'Eau.  
Spanish—Sandia.

A light, sandy soil, with good exposure to the sun, is the best for Watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. If extra large melons are required for exhibition purposes, leave but one or two melons on a vine. Plant in hills eight to ten feet apart each way, with a shovelful of well-rotted manure mixed with the soil in the hill. Plant eight or ten seeds in each hill, and, finally, when danger of insects is passed, leave but three strong plants. One ounce of seed for thirty hills; one to two pounds for an acre.



**Mountain Sweet.** An old reliable sort, of good quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.

**Mountain Sprout.** A late sort of excellent quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.

**Rattlesnake.** Bright red flesh. Oblong in shape. Late. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.

**Citron.** Round and handsome, for preserving; red seed. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

**Colorado Preserving.** Used for preserves; green seed. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.



**The Dixie.** A Watermelon conceded to be the best shipper and keeper grown. It is large, ten days earlier, more beautifully striped and of finer appearance than Kolb's Gem. Skin dark green, striped, flesh bright, deep scarlet, sweet, tender and juicy. A most valuable cropper. Pkt., 5c. oz., 10c.; ¼ lb., 20c; 1 lb. 50c.

## MUSTARD.

German—Senf. French—Moutarde. Spanish—Mostazoe. Used as a condiment, and the green leaves as a salad, or cut and boiled like Spinach. Cultivate same as Cress.

**White English.** The leaves are light green, mild and tender when young; seed, light yellow. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 40c.

**Brown or Black Mustard.** More pungent in flavor than the white. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 40c.



### COLE'S EARLY.

A delicious and productive variety for the family garden, succeeding in Northern states. It is so early that it matures in every state. Very hardy, the flesh is deep red in color, clear to the rind, and is most sweet and delicate in flavor. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

**Boss.** Oblong, dark green rind, deep scarlet flesh. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb., 50c.

**Cuban Queen.** Regularly marked, early, solid and heavy. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.

**Kolb's Gem.** Large, bright red flesh. A good shipper. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.



**Manmoth Ironclad.** An oblong melon having a rind of such remarkable strength and impenetrability as to render it perfectly "Ironclad," hence the best shipper produced to date. Flesh red, sweet, tender, crisp and juicy. Heart very large. The keeping qualities of this melon are remarkable. Whether plucked or left upon the vines, they remain perfectly fresh fully one month after ripening. Pkt., 5c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.



ALL SEEDS ON THIS PAGE DELIVERED FREE AT PRICES QUOTED.



## ONIONS.

German—Zwiebel. French—Ognon. Spanish—Cebolla.

The Onion is most successfully grown in a deep, rich, loamy soil, and, unlike most vegetables, does best when cultivated in the same ground for a succession of years. Trench and manure the ground well in the fall, and turn up in ridges during the winter, and as early as the ground will work in the spring, rake or harrow thoroughly so as to get the soil fine and level. Sow thinly in drills half an inch deep, twelve inches apart, and cover with fine soil, pressing it down with the back of a spade or light roller. Keep the ground free from weeds and thin out the young plants so they may stand three or four inches apart. 1 oz. to 100 feet of drill; 4 to 5 lbs. to the acre.

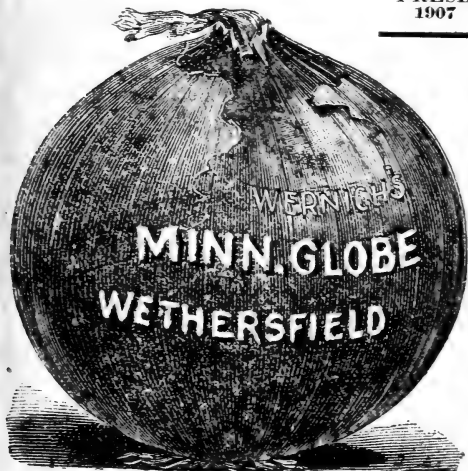


**Austrian Brown.** An extra early, long-keeping, medium sized, globe shaped Onion, ripening three or four weeks ahead of Red Wethersfield. The color is a clear brown amber, and they are remarkable keepers, onions having been kept a whole year in first-class condition. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.05.

**Yellow Globe Danvers.** Select Stock. Our Seed of this variety is the very best to be obtained, and is of a stock of the true Globe. Its uniformity of size and shape of bulbs and its long keeping qualities places it in the lead of all yellow onions. It frequently produces 800 to 1,000 bushels per acre, and capable of doing even better under extra culture. It is early and profitable. The entire crop ripens down at one time and winters well. Gardeners will do well to buy only from us. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 70c; 1 lb. \$2.55.



FRESH SEED,  
1907 CROP.



**Round Yellow Danvers.** It differs from Yellow Globe Danvers mainly in shape, being more flattened. The claim is made for it that it ripens more surely in moist situations than the globe-shaped sorts, and that it is a little earlier. It is certainly a first-class onion in yield, flavor and keeping qualities, and is a type of one of the most distinct and celebrated American strains. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.10.

**Minnesota Globe Wethersfield.** An improvement over the old Red Wethersfield, from which it differs not only in purity of stock, and perfection of shape, but in earliness, productiveness, and beauty of color. Globe-shaped onions are preferable and more profitable than flat varieties to grow, as they occupy no more room in the row, but weigh more and measure better. Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 80c; 1 lb. \$2.75.

**Southport White Globe.** A large, handsome, globe-shaped onion, skin and flesh a beautiful clear white. Flesh firm, very fine grained and exceedingly mild in flavor. A splendid keeper. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.75.

**Giant Yellow Zittan.** A long keeping onion. Of fine form and color. A good cropper and one of the best for shipping. Grows to a large size and has a fine flavor. An onion that will meet with much favor amongst Market Gardeners. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 55c; 1 lb. \$1.75.

**White Portugal.** A large, flat, clear, white-skinned onion of handsome appearance and mild flavor. It is desirable for family use and is also planted for sets and pickles. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 55c; 1 lb. \$1.95.

**Yellow Strasburg.** One of the best keeping sorts. Bulb flat, skin dark yellow, flesh white, solid and flavored. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.25.

**Minnesota White Globe.** A new white onion of handsome shape, and beautiful appearance. The outer skin possesses that lustre so desirable yet so often lacking in White Globe stock. Flesh pure snow white and of an extremely mild flavor. Pkt. 10c; oz. 35c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.75.



ALL SEEDS ON THIS PAGE DELIVERED FREE  
AT PRICES QUOTED.

# ONIONS—Continued.

**Extra Early Flat Red.** A medium sized variety, producing abundantly and coming into use about two weeks earlier. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb., 6c.

**Extra Early Red Globe.** Of the well-known Southport strain, maturing as early as the early Flat Red and Danvers. The Southport strains are much sought after, owing to their handsome appearance and to their being much heavier croppers than the flat types. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.45.

**New Genuine Prizetaker.** The king of all Yellow Globe Onions; has proved the greatest acquisition in years. The very largest, handsomest, finest flavored of all. It is of a very bright, clear straw color, and always grows to a uniform shape, which is a perfect globe. Has a very small neck, and always ripens up large and fine without any stiff neck. The Prizetaker has produced the seemingly fabulous yield of 2,000 bushels per acre. Many are offering Spanish King and similar varieties under the name of Prizetaker. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.



**Large Red Wethersfield.** This is the most popular standard variety for winter market in many Northern States. It is not an early ripening sort, as it continues in growth throughout the season, and consequently makes very large onions. Continued selection of bulbs planted for seed give us a small-necked sure-ripening strain, entirely free from scallions or thick-necks. Though well flattened, the solid onions are thick through, as shown in the photograph of a specimen bulb reproduced above. This onion shows natural size, weight exactly six ounces. The outer skin is a deep rich, purplish red, smooth and glossy; flesh white, lightly tinged with pinkish rose. The large solid onions are nearly as mild in flavor as many varieties with skin of lighter coloring, while they keep well to hold crops for the late winter markets. There is no better strain of the true large Red Wethersfield in cultivation today than that

1 lb. \$2.45.



## ITALIAN ONIONS.

**White Pearl.** Extra early; a splendid Italian Onion of mild flavor; flesh and skin pure white. Good keeper. This onion has won first premium at all fairs whenever shown. Our strain is particularly fine. Pkt., 5c.; oz., 20c.;  $\frac{1}{4}$  lb. \$1.95.

**Mammoth Pompeii.** (Red Garganus)—Grows to an enormous size, single Onions often weighing from 4 to 5 lbs., skin pale, reddish brown, flesh, white, fine-grained, very mild. Pkt. 5c.; oz. 20c; 1 lb. \$1.60.

**Mammoth Silver King.** This mammoth variety is one of the largest in cultivation, averaging from 15 to 22 inches in circumference, often weighing from  $2\frac{1}{4}$  to 4 pounds each. It matures early and is of uniformly large size and fine shape, being flattened, but thick. The skin is of a beautiful silver-white, flesh snowy and tender, of mild, sweet flavor. Its striking size and handsome appearance, as well as mild flavor, recommend it for exhibition at fairs, for the fancy market as well as the table. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.00.



## BERMUDA ONIONS.

These onions grow to an immense size and are of a beautiful form. The skin is very thin, flesh white, fine grained, of mild and pleasant flavor. It will grow an onion from 1 to  $1\frac{1}{2}$  pounds from seed, but to attain full size, set out the bulbs the following spring.

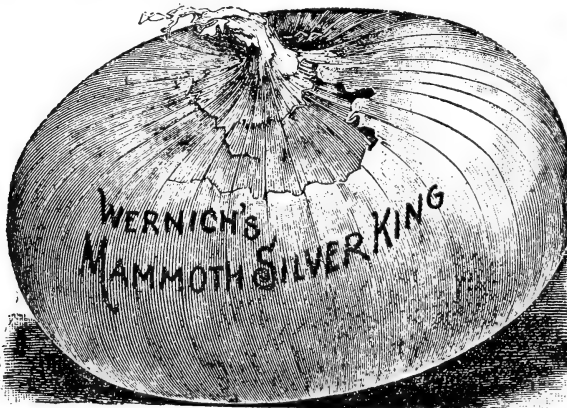
**Bermuda Island White.** Grown in many sections of the south to the exclusion of all other sorts. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 70c; 1 lb. \$2.55.

**Bermuda Island Red.** Same as Bermuda White, except in color, which is red. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 70c; 1 lb. \$2.40.

## PICKLING VARIETIES.

**White Queen.** Bulbs small flat, pure white and of mild flavor. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 70c; 1 lb. \$2.10.

**White Silverskin.** For bunching or pickling. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.00.



ALL SEEDS ON THIS PAGE DELIVERED FREE AT PRICES QUOTED.

# PEAS.

German—Erbse. French—Pois. Spanish—Guisante.

For the first early peas sow in a light, rich soil, as early in March or April as the ground can be worked; for later varieties sow in April or May. Discontinue sowing from June to August, after which, by sowing an extra early sort, a good crop can generally be secured. As Peas suffer considerably from drought during the hot summer months, it will be found of great benefit to sow the Peas in a trench six inches in depth, covering the Peas to a depth of two inches. As soon as sufficient growth has been made draw the earth about the vines. In this way a great deal more moisture is kept about the roots than if sown on the level and afterwards hilled up. Dwarf varieties sow in rows one foot apart, and the taller sorts from two to three feet apart. Those marked (\*) are wrinkled. One quart to 75 feet of drill. Two bushels to an acre in drills.

## EXTRA EARLY VARIETIES.

**Gradius or Prosperity.** This Pea grows about thirty inches high, requires no support, though sticks or bushes can be used if preferred. The pods are large, nearly round and plump, bright green in color, well-filled with peas that are sweet, rich and mellow.

Prepaid, pkt., 10c.; qt., 30c.; qt. 50c. Not prepaid, pt. 20c; qt. 35c; ½ pk. \$1.15; peck \$2.10; bu. \$8.75.

**Wernich's First and Best.** The best variety for market gardeners to plant, and for home use we have yet to find a better. Grows about 30 inches high. Vines vigorous extremely prolific, the pods being numerous and well filled with peas of good size and delicious flavor. The vines can be stripped at one picking.

Prepaid, pkt., 5c.; pt., 25c.; qt., 40c. Not prepaid, pt., 15c.; qt., 25c.; ½ pk. 60c; pk. 90c; bu. \$3.75.

**Alaska.** The earliest blue pea, very uniform in growth. The dark green color of the pods make it extremely desirable, as it can be carried long distances without losing color, which quality, combined with its earliness and uniformity of ripening, makes it a most desirable extra early pea for market gardeners and shippers; height 2 ft. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk., 70c.; pk., \$1.25; bu., \$4.00.

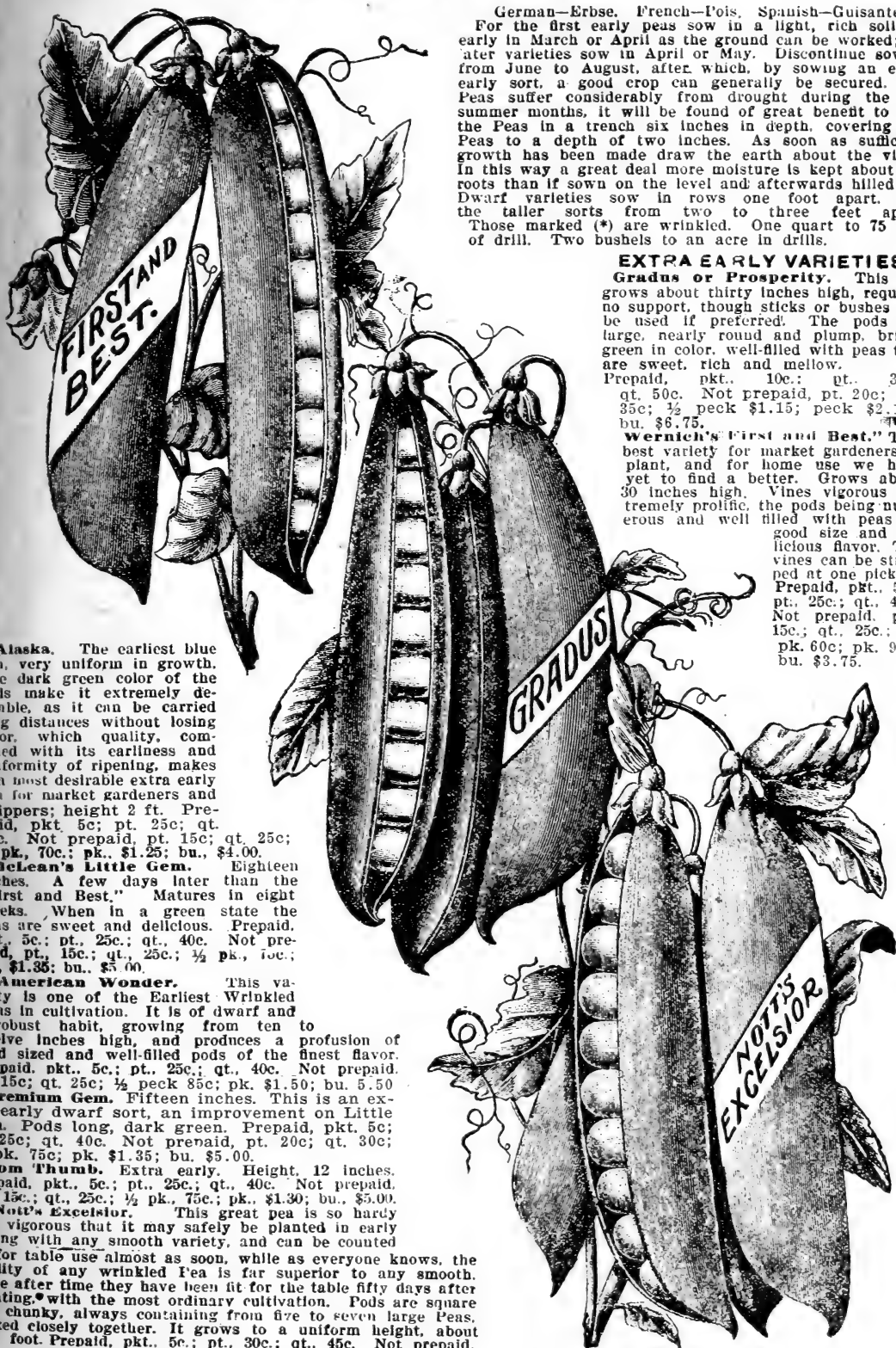
**McLean's Little Gem.** Eighteen inches. A few days later than the "First and Best." Matures in eight weeks. When in a green state the peas are sweet and delicious. Prepaid, pkt. 5c; pt., 25c.; qt., 40c. Not prepaid, pt., 15c.; qt., 25c.; ½ pk., 70c.; pk., \$1.35; bu., \$5.00.

**American Wonder.** This variety is one of the Earliest Wrinkled Peas in cultivation. It is of dwarf and robust habit, growing from ten to twelve inches high, and produces a profusion of good sized and well-filled pods of the finest flavor. Prepaid, pkt., 5c.; pt., 25c.; qt., 40c. Not prepaid, pt. 15c; qt. 25c; ½ pk. 85c; pk. \$1.50; bu. 5.50.

**Premium Gem.** Fifteen inches. This is an extra early dwarf sort, an improvement on Little Gem. Pods long, dark green. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 20c; qt. 30c; ½ pk. 75c; pk. \$1.35; bu. \$5.00.

**Tom Thumb.** Extra early. Height, 12 inches. Prepaid, pkt., 5c.; pt., 25c.; qt., 40c. Not prepaid, pt. 15c.; qt., 25c.; ½ pk., 75c.; pk., \$1.30; bu., \$5.00.

**Not's Excelsior.** This great pea is so hardy and vigorous that it may safely be planted in early spring with any smooth variety, and can be counted on for table use almost as soon, while as everyone knows, the quality of any wrinkled Pea is far superior to any smooth. Time after time they have been fit for the table fifty days after planting, with the most ordinary cultivation. Pods are square and chunky, always containing from five to seven large Peas, packed closely together. It grows to a uniform height, about one foot. Prepaid, pkt., 5c.; pt., 30c.; qt., 45c. Not prepaid, pt. 20c; qt. 30c; ½ pk. 85c; pk. \$1.50; bu. \$5.50.



# PEAS-CONTINUED.

## SECOND EARLY VARIETIES.

**\*Heroine.** A new medium early, green wrinkled Pea, of very superior quality. It grows to a uniform height of 2½ feet, bearing very large, well-filled pods in great profusion. This is without doubt the best of the Second Early Peas. Prepaid, pkt. 5c.; pt. 25c.; qt. 40c. Not prepaid, pt., 15c.; qt. 25c.; ½ peck 75c; peck \$1.35; bu. \$5.00.

**\*Hopedale's Market Garden.** Standard sort, prolific. Height 30 inches. Prepaid, pkt. 5c.; pt. 25c.; qt. 40c. Not prepaid, pt., 15c.; qt. 25c.; ½ peck 70c.; pk., \$1.25; bu., \$4.00.

**\*French Canner.** A small Pea, used extensively for canning purposes. Height, 48 inches. Prepaid, pkt. 5c.; pt. 25c.; qt. 40c. Not prepaid, pt. 15c.; qt. 25c.; peck, \$1.25; bu., \$4.50.

**\*Abundance.** Round, well-filled pods. Height, 18 inches. Prepaid, pkt., 5c.; pt. 25c.; qt. 40c. Not prepaid, pt., 15c.; qt. 25c.; ½ peck 70c.; peck 1.20; bu. \$4.50.

## SUGAR VARIETIES. Edible Pods.

**\*Dwarf Wrinkled Sugar.** Fine quality and productive. Height, 18 inches. Prepaid, pkt. 5c.; pt. 25c.; qt. 40c. Not prepaid, pt., 15c.; qt. 25c.; ½ peck 80c; peck \$1.50; bu. \$5.50.

**\*Mammoth Sugar.** One of the best of the edibles. Height 5 feet. Prepaid, pkt 5c; pt. 30c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; ½ peck 80c; peck \$1.50; bu. \$5.50.

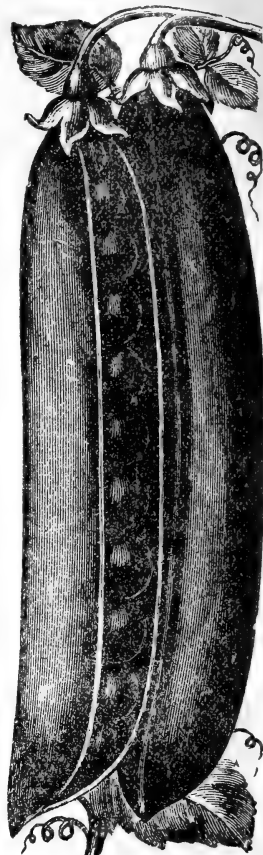
**\*Tall Gray Sugar.** Height 5 feet. Prepaid, pkt. 5c; pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; ½ peck 75c; peck \$1.35; bu. \$4.75.

For Field Peas,

See Page 48,

Farm Seed

Department.



Heroine.

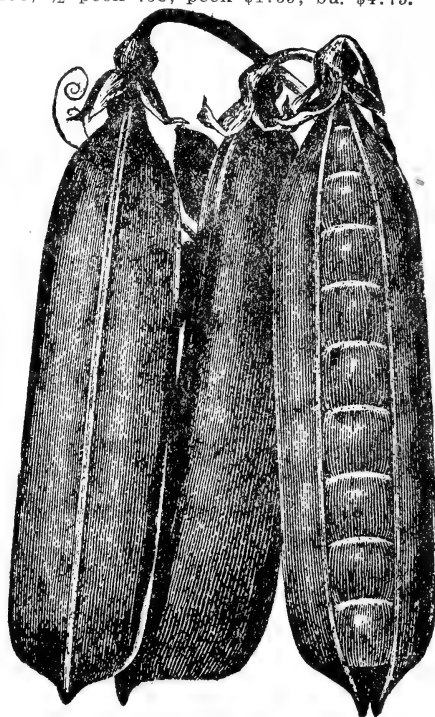
### BEST PEAS FOR TABLE USE.

They may be planted at the same time and will be ready for use in succession and furnish an abundance of delicious peas all summer.

Nott's Excelsior, Heroine and Telephone.

### SPECIAL OFFER.

1 Pint each of these three for 65c postpaid.  
1 Quart each of these three for \$1.15 postpaid



Stratagem

## MAIN CROP VARIETIES.

### \*TELEPHONE.

Immense Pods, well filled with large Peas of a rich sugary flavor. The best of all the main crop peas.

The vines grow to about 4 feet in height and are enormously productive, producing in great profusion large well-filled pods. We have a very finely selected stock of this favorite pea. Prepaid, pkt. 5c. pt. 25c. qt. 40c. Not prepaid, pt. 15c; qt. 25c. ½ peck 75c; peck \$1.40. bu., \$5.50.

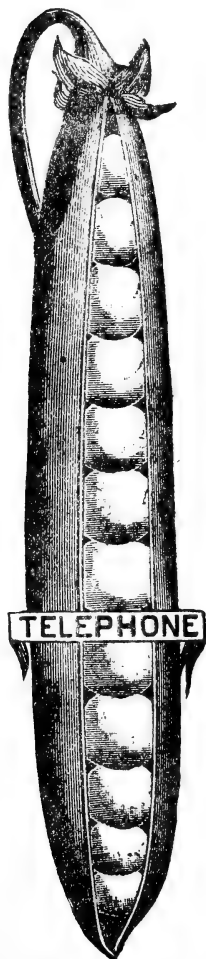
**\*Improved Stratagem.** A great improvement on the old Stratagem, which of late years has been going steadily back in quality. Height, 12 inches. In this improved stock we have a late pea of medium height a heavy cropper, producing large, dark green showy pods, well filled with peas of a superior quality. A grand market gardener's pea. Prepaid, pkt. 5c; pt. 30c; qt. 45c. Not prepaid, pt. 20c; qt. 30c; ½ pint 85c; peck \$1.50; bu. \$5.50.

**\*Champion of England.** Well known; sow thickly. Height 5 feet. Prepaid, pkt. 5c. pt. 25c; qt. 40c. Not prepaid, pt. 15c; qt. 25c; peck. \$1.20; bu., \$4.25.

**\*Dwarf White Marrow.** Height 18 inches. Prepaid, pkt., 5c.; pt. 20c.; qt., 30c. Not prepaid, pt. 10c; qt. 15c; peck 75c; bu., \$2.75.

**\*Large White Marrowfat.** A heavy yielder. Height, 4 feet. Prepaid, pkt., 5c.; pt. 20c; qt. 30c. Not prepaid, pt. 10c; qt. 15c; peck 75c; bu., \$2.75.

**\*Black Eyed Marrowfat.** Very hardy and prolific. Height, 3 feet. Prepaid, pkt., 5c.; pt. 20c; qt. 30c. Not prepaid, pt. 10c; qt. 15c; peck 75c; bu., \$2.75.



TELEPHONE



# RADISHES.

German—Radies. French—Radis. Spanish—Rabanos.

One ounce to about 100 feet of drill; 8 to 10 lbs. for an acre. The soil for radishes should be very rich, light and mellow, well broken by digging, as their tender and mild qualities depend much upon their rapid growth. For very early use sow in gentle hot beds in February, and in open air as soon as the ground can be worked, at intervals for ten or twelve days for a succession, as long as they may be wanted. The turnip rooted are the best for sowing in the summer. The winter varieties should be sown in August, and lifted before severe frost and stored in the cellar.

**Wernich's Early Scarlet Erfurt.** Quick growth is essential to produce crisp and tender Radish. We have it in "Early Erfurt" which matures in 20 days after sowing. This makes it the most valuable for forcing or out door culture. The tops are quite small, the roots globular with deep red skin; flesh white, crisp and tender. It has a pleasant flavor, very mild. On account of smallness of tops it admits of very close sowing. Well suited for sowing under glass. Pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 90c.

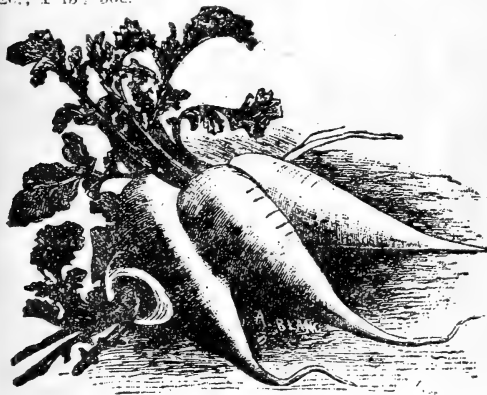


Wernich's Early Erfurt.

**Early Scarlet Globe.** For forcing in green house, hot-beds, or cold frames, and for sowing in the open ground early in the spring, there is no other red variety more desirable. It is entirely distinct and one of the earliest; in flavor it is mild, crisp, juicy and tender. Pkt., 3c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

**Earliest Deep Scarlet Forcing.** This is one of the finest forcing Radishes introduced, and has already taken a leading place with our market gardeners. It will mature in eighteen to twenty days, and owing to the extremely small tops, can be sown very thickly. The roots are round, with a deep scarlet colored skin, the flesh white, very crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

**Scarlet Turnip.** (The Standard Variety.) Its shape is of the best form of the round sorts; one of the earliest, finest, juiciest, tenderest, sweetest and best Radishes for early use grown. Rich red color, flesh white. Pkt., 3c; oz., 10c; ¼ lb., 20c; 1 lb., 50c.



White Strassburg.

**French Breakfast.** Skin scarlet on the body and white at the extremity; flesh white, tender and mild. Of rapid growth. Pkt., 3c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

**Long Scarlet Short Top.** Has a short and compact top, in shape it is somewhat shorter and thicker. In color the upper portion is of unusually deep brilliant red, which gradually shades to a deep waxy pink towards the end. Pkt., 3c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

**White Strassburg Summer.** This variety is a handsome oblong shape, tapering beautifully to a point. Both skin and flesh are pure white, almost transparent. Pkt., 3c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.

**Japanese Long White.** Flesh pure white and crisp. Pkt., 3c; oz., 10c; ¼ lb., 25c; 1 lb., 70c.

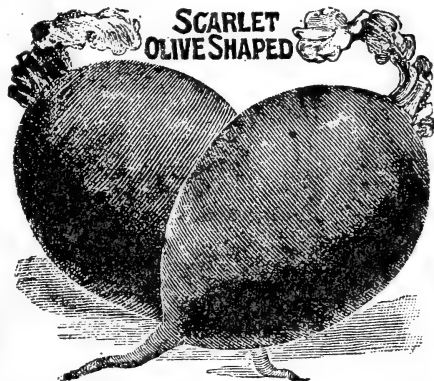
**Stuttgart White Mammoth.** Very early and very large. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.

**California Mammoth Winter.** This great white Radish sometimes attains the length of a foot. It is firm, of high quality, and a good keeper. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 55c.

**China Rose Winter.** A popular favorite, with rose colored skin. It is a large and fine shape Radish, growing partly above the ground. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 55c.

**Round Black Spanish.** A fine winter sort. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.

**Long Black Spanish.** The popular winter sort. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.



**Early Scarlet Turnip, White Tipped.** Very early; color, bright scarlet, tipped with white, an excellent market variety. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.

**White Summer Turnip.** Very large and round in form. Pkt. 3c; oz. 10c; ¼ lb. 15c; 1 lb. 50c.

**Gray Summer Turnip.** Very good variety for field sowing. Pkt. 3c; oz. 10c; ¼ lb. 25c; 1 lb. 55c.

**Golden Summer Turnip.** Smooth and bright yellow skin. Pkt. 3c; oz. 10c; ¼ lb. 20c; 1 lb. 50c.



White Tipped Scarlet Turnip.

WE DELIVER ALL SEEDS ON THIS PAGE FREE TO ANY POSTOFFICE IN THE UNITED STATES AT PRICES QUOTED.

## Salsify, or Oyster Plant.

German—Bochsart. French—Salsifis. Spanish—Salsifí Blanco.  
Grows best in light, well-enriched soil, which, previous to sowing the seed, should be dug up to a depth of eighteen inches. Sow early in spring in drills fifteen inches apart and one and one-half inches deep, and when the plants are strong enough, thin out to six inches apart. One ounce to 70 feet of drill.

**Large White.** Very thick and smooth. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

**Mammoth Sandwich Islands.** Large and superior. Pkt. 5c; oz. 15c; ¼ lb. 35c; lb. \$1.10

## SCORZONERA, OR BLACK OYSTER PLANT.

Requires the same treatment as Salsify  
**Black.** Is prepared the same as Salsify for the table. Pkt. 5c; oz. 15c; ¼ lb. 45c; lb. \$1.50.

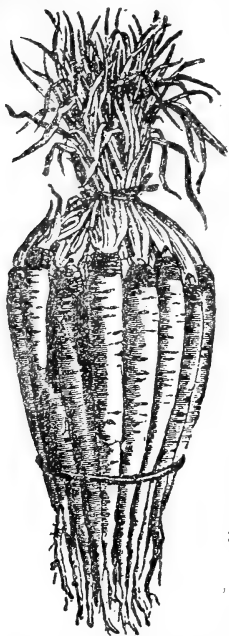
## Sorrel.

German—Sauerampfer. French—Oseille. Spanish—Acedera.

Sow in spring in drills eighteen inches apart, in a rich soil, and keep the flower stems cut off as they appear. It remains in the ground year after year, and only needs to be taken up and divided once in four or five years. To be cut and cooked precisely like Spinach; or it is excellent cooked with it. one-third Sorrel to two-thirds Spinach. Very nice to be eaten after it has become cool. Inasmuch as the hot sun tends to increase its acidity, a northern exposure is preferable.

**Broadleaved.** Extensively used among the Germans. Pkt. 5c; oz. 10c; ¼ lb. 30c; lb. \$1.00.

Scorzonera



Mammoth Sandwich Island Salsify.

## SQUASH.

Squashes should not be planted until danger from frost is passed, but get in the winter kinds as soon as possible, in order that they may mature. Plant in hills 5 feet apart for bush varieties; and 6 or 8 feet running varieties, putting 6 to 8 seeds to the hill, finally leaving but three plants. One ounce of the bush varieties for 40 hills; or of the large-seeded kinds, 15 hills, two or three pounds of the bush, and three or four pounds of the large-seeded for an acre.



White Bush

CASH DISCOUNT,  
See Offer, Page 9.

## SUMMER VARIETIES.

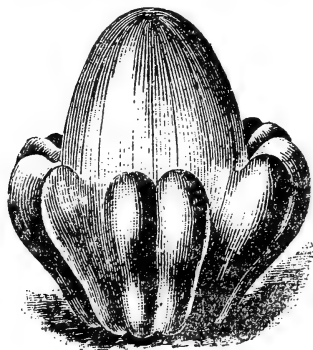
**Giant Summer Crookneck.** The largest squash. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 65c.

**White Bush.** Very early, a favorite market sort. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

**Golden Custard Bush.** Resembles White Bush, excepting color. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

**Pineapple.** A very peculiar shape, skin and flesh white. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 60c.

**Delicata.** The earliest and most prolific of the vine squashes. Can also be sown for winter. Pkt. 5c; oz. 10c; ¼ lb. 25c; 1 lb. 70c.



Pineapple

## WINTER VARIETIES.

**Boston Marrow.** Oval, bright orange, flesh yellow. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 65c.

**Prolific Marrow.** A valuable and prolific sort. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 65c.

**Bay State.** Hard shell, for fall and winter. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 65c.

**Hubbard.** A late sort of superior quality. Pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 65c.

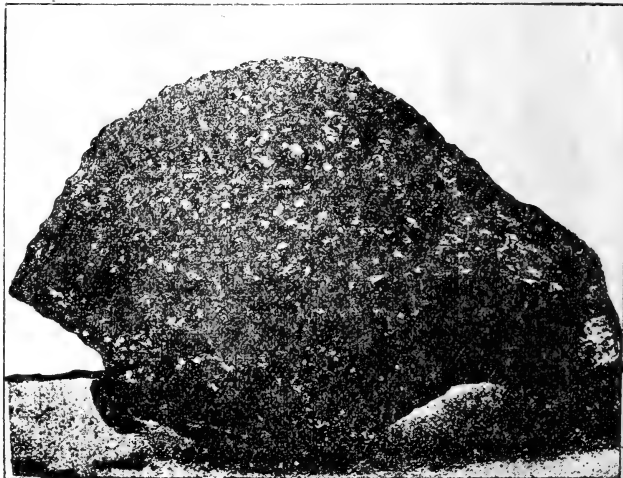
**Mammoth Chili.** Enormous size of a rich yellow color. Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.25.

## SEA-KALE.

German—Seekohl. Meerkohl. French—Crambe Maritime.

Grown for its blanched shoots, which are cooked as Asparagus. By putting the roots closely in a warm cellar, a supply may be had all winter. Sow in drills two feet apart, thin out to six inches, and the following spring plant in hills three feet apart. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.

WE DELIVER ALL SEEDS ON THIS PAGE FREE TO ANY POSTOFFICE IN THE UNITED STATES AT PRICES QUOTED.



# SPINACH.

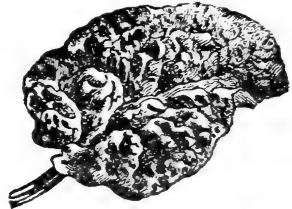
German—Spinat. French—Epinard. Spanish—Espinaca.

For spring use, sow early in drills one foot apart, and for succession every two weeks. As it grows, thin out for use, keeping it clear of weeds. For fall use sow in August; for winter use, sow in September in well manured ground; mulch with straw on approach of severe cold weather. One ounce for 100 feet of drill; 10 pounds for an acre in drills.

**Victoria.** Without question the best Spinach for spring sowing, from the fact that it remains in fit condition for at least 2 or 3 weeks after all other sorts have run to seed. The leaves are heavy, broad and dark green, and of the finest quality. Pkt., 3c.; oz., 5c.;  $\frac{1}{4}$  lb., 10c.; 1 lb., 30c.

**Bloomsdale.** Also called Norfolk Savoy Leaved. A great favorite with market gardeners along the Atlantic slope, from Pennsylvania and New Jersey southward. It has thick, dark green wrinkled leaves, and is perfectly hardy. Fine substance and flavor. One of the best for autumn sowing. Pkt., 3c.; oz., 5c.;  $\frac{1}{4}$  lb., 10c.; 1 lb., 30c.

**Round Leaf.** This variety is generally preferred for early spring sowing, and is the most popular with our market gardeners. The leaves are large, thick and fleshy; though not quite as hardy as the Prickly Winter, it stands the winter very well. Pkt., 3c.; oz., 5c.;  $\frac{1}{4}$  lb., 10c.; 1 lb., 30c.



Victoria.

**Round Thick-Leaved.** A decided improvement over the Round Leaf, thicker leaved and very tender. The best all-round sort either for the home garden or market grower. Pkt., 3c.; oz., 5c.;  $\frac{1}{4}$  lb., 10c.; 1 lb., 30c.

**Long Standing.** An improved round seeded strain of excellent merit, having all of the good qualities of the ordinary sorts and continuing in condition for use much longer. The leaves are smooth and very dark rich green. Cannot be beat for market and family purposes. Pkt., 3c.; oz., 5c.;  $\frac{1}{4}$  lb., 10c.; 1 lb., 30c.

**Prickly.** Stands the winter well, but gives less bulk than the round leaf. Pkt. 3c.; oz. 5c.;  $\frac{1}{4}$  lb., 10c.; 1 lb., 30c.

**New Zealand.** Withstands heat and drought and produces leaves in great abundance throughout the summer in the hottest climates, and where ordinary Spinach will not do well; should be started in heat and transplanted three feet apart each way, into light, rich soil. Pkt., 5c.; oz., 10c.;  $\frac{1}{4}$  lb., 20c.; 1 lb., 60c.



New Zealand.

# TOMATOES.

German—Liebesapfel. French—Tomato. Spanish—Tomate.

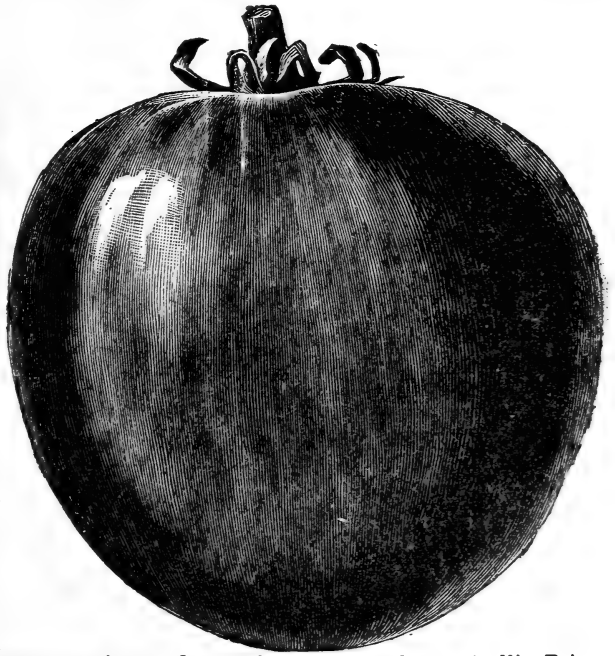
The seed should be sown in a hot-bed about the first week in March, in drills five inches apart, and half an inch deep. When the plants are about two inches high, they should be set out about four or five inches apart in another hot-bed. About the middle of May the plants may be set in the open ground; they are planted for early crops on light, sandy soil, at a distance of three feet apart, in hills in which a good shovelful of rotten manure has been mixed. On heavy soils, which are not suited for an early crop, they should be planted four feet apart. Water freely at the time of transplanting, and shelter from the sun for a few days until the plants are established. One ounce will produce about 2,000 plants.

## "LIVINGSTON'S GLOBE"

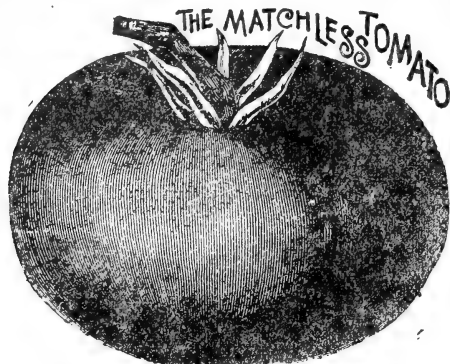
The fact that this is another new tomato, originating with the Livingstons, of world-wide, tomato fame, will be sufficient to warrant most growers of fine tomatoes to give it a liberal trial. It is of beautiful globe shape, with quite a percentage of elongated (stem to blossom) fruits, which permits of a greater number of slices being taken than with the flat fruited sorts. Among the very first to ripen, although of large size, very smooth, firm fleshed, few seeds, ripens evenly; color a beautiful glossy rose, tinted purple. Flavor very delicate and agreeable; splendid slicing variety. The fruit is borne on short jointed branching plants in great abundance—literally loaded with fruit. A good general cropper, and one of the very best for green house growing or first early crop on stakes or trellis. Price, Pkt. 10c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**THE NEW STONE.** We call this the king of the Livingstone kinds, which are the best types of the large, smooth, solid, "beefy" Tomatoes. Color, fine scarlet, stem (calyx) set high, core small and shallow, so that little is lost when it is taken out of the fruit before slicing. Price, Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75.

**PERFECTION.** Solid flesh, always smooth and of blood-red color. This is a general favorite, equally desirable for the home garden, for shipping and for canning. We have an exceptionally choice stock of this sort. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75.

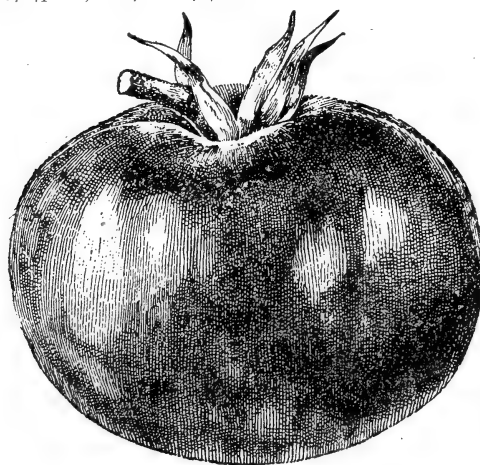


WE DELIVER ALL SEEDS OFFERED ON THIS PAGE FREE TO ANY POSTOFFICE IN THE UNITED STATES AT PRICES QUOTED.



**Matchless.** The color is a rich, cardinal red. The skin is so tough that it is a splendid keeper and shipper, and is less liable to crack in the wet weather than any other large tomato. Unsurpassed for market or for table. The plant is a strong grower, and is very productive, bearing with undiminished vigor until frost. The fruit is free from core, and the seed-spaces are comparatively small. Pkt., 5c; oz., 25c; ¼ lb., 60c; 1 lb., \$2.00.

**Improved Dwarf Champion.** This is a purple fruited variety, which forms very strong plants about two feet high. The branches are short, making a bushy plant that stands quite erect without stakes. This sort is often sold as Tree Tomato. Fruit smooth, medium sized, color purplish pink, fairly solid, but has no hard core, and is of good flavor. About as early as any purple fruited tomato. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.



Golden Trophy.

**Golden Trophy.** Queen of all the Yellows. Its superior flavor has brought into general favor as a table fruit. It is solid, always smooth, entirely free from ridges, large in size, ripens early, and is the most beautiful yellow variety ever sent out. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 60c; 1 lb., \$2.00.

**Ponderosa.** This grand new variety is the monster of the Tomato family, the tomatoes often weighing 2 to 3 pounds each. Of a rich, bright crimson color and all solid meat, exceptionally free from seeds. Extremely delicious in flavor, whether used raw or cooked. A single tomato is enough for a meal. Pkt., 5c; oz., 30c; ¼ lb., 85c; 1 lb., \$3.00.

**Yellow Plum.** A small variety, extensively used for pickling. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

**Red Cherry.** A small cherry-shaped variety, red in color, principally used for pickling. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

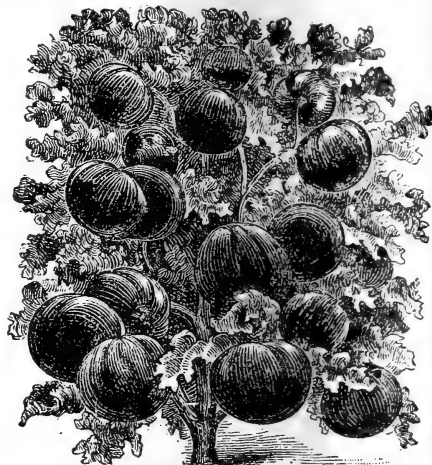
**Strawberry or Winter Cherry.** This delicate husk-enveloped tomato is unequalled for making preserves and pies. Dried in sugar, as raisins or figs, or to use in fruit cake, they are unexcelled. They keep until mid-winter or longer. Have a strawberry flavor, and are very productive, and sell first-rate in market. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

ALL SEEDS ON THIS PAGE DELIVERED FREE TO ANY POSTOFFICE IN THE UNITED STATES AT PRICES QUOTED.

## DWARF STONE TOMATO.

In habit of vine it resembles Dwarf Champion, but is of stronger growth and more erect. The fruit resembles the Stone in color, shape and what is more remarkable, for an erect sort it is practically the same size. Ten fruits picked from one vine at same time weighed five pounds three ounces. Five fruits selected by eye for average size weighed two pounds, nine ounces. This was under field cultivation on farm land, with no fertilizer. Specimens weighing one pound each are quite common. The new Dwarf Stone is fully double the size of Dwarf Champion, and yet equally as early. It is fully as prolific, and consequently vastly more productive. The strong upright habit of growth of the Dwarf Stone admits of very close planting, at least a half closer each way than the distance required for the ordinary vining varieties. The shape of the fruit is perfect, with a good skin which is free from cracks about the stem end. It is even, and is of the most excellent quality. Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

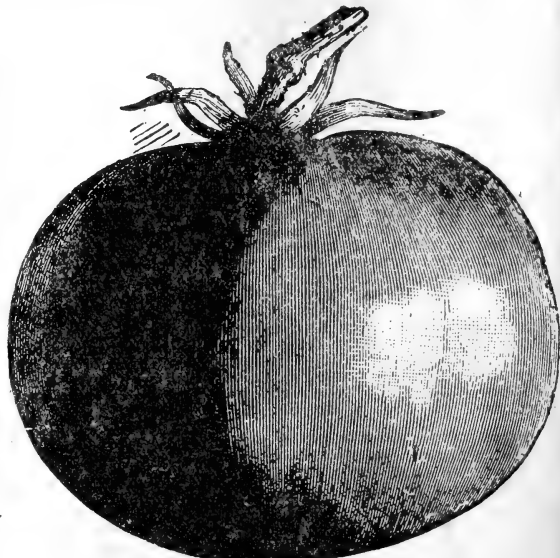
**Livingston's Favorite.** Large, perfect form, smooth skin, firm flesh. Pkt., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75.



DWARF CHAMPION.

**Early Minnesota.** One of the best sorts for general market or family use. Very smooth and regular in shape, uniform in size and color, and free from rot or cracking. Vines large, with dark green leaves, vigorous and wonderfully productive. Being under high culture, one of the heaviest croppers. Fruit medium size to large, perfectly smooth, solid, but without any core. Deep rich red color, of excellent flavor. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

**Acme.** One of the most popular kinds on our list, giving entire satisfaction. A favorite everywhere; large, round, smooth, slight purple tint; one of the best. Our seed has been grown with particular care and we know there is none better. Pkg., 5c; oz., 20c; ¼ lb., 50c; 1 lb., \$1.75.

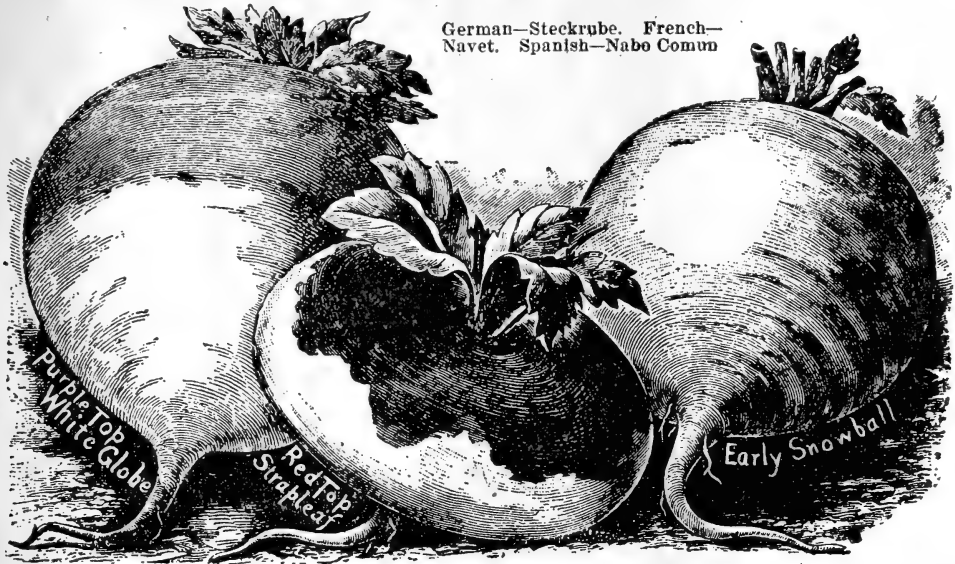


Ponderosa.



## TURNIPS.

German—Steckrube. French—  
Navet. Spanish—Nabo Comun



Turnips may be sown at all seasons, from April to August in our climate, although those will be the best which are sown very early in the spring for summer crop, and early in August for the fall and winter crop. A light soil well manured the previous year, is the best; no manure should be applied at the time of sowing, unless it be well decomposed compost, or the roots are liable to be had flavored. One ounce will sow 150 feet drill. Two pounds will sow 1 acre in drills. One pound will sow 1 acre broadcast.

**Extra Early Purple Top Milan.** A splendid new strap-leaved variety that is ready for use fully two weeks earlier than the Purple Top Strap Leaf and one week ahead of the Purple Top Munich. The bulb is of medium size, quite flat, smooth, and has a bright, fresh purple top. The flesh is pure white, solid, fine-grained and of the choicest quality. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 50c.

**Purple Top Strap Leaf.** Tops small, bulb mostly above ground, of medium size and flat. Skin white below the surface, and clear, bright purple above. Flesh white, sugary and remarkably well flavored. Very early, hardy and prolific. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 45c.

**Purple Top White Globe.** The name of this most excellent variety affords for it a very accurate description. It is early and a heavy cropper as well as a good keeper. The bulb is a very handsome globe, and is especially in demand among market gardeners. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 45c.

**White Six Weeks or Snowball.** Bulb of medium size and spherical. Skin white and smooth. Immature flesh, fine grained, tender and sweet. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 50c.

**White Egg.** Tops small and rough-leaved. Bulb oblong, and produced mostly out of ground. Skin pure white and perfectly smooth. Flesh firm, sweet and mild. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; 1 lb., 50c.

**Early White Flat Dutch.** Bulb of medium size and flat. Skin pure white. One of the surest croppers of the early garden sorts. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 45c.

**Pomeranian White Globe.** A large and most perfect globe in shape; skin white and smooth. Of strong growth and one of the most productive varieties. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 40c.

**Large Amber Globe.** Flesh yellow, fine-grained and sweet; one of the best for table and stock. Skin yellow, with green top. Grows to a large size. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 50c.

**Long White or Cow Horn.** The roots are shaped like a Carrot, about half of which is formed above ground; flesh white, fine grained and sweet. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 45c.

**Teltau, or Small Berlin.** Very small, spindle-shaped roots; the rind has a peculiar flavor, and should not be taken off when used; esteemed for flavoring soups. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; 1 lb., 85c.

## RUTABAGAS.

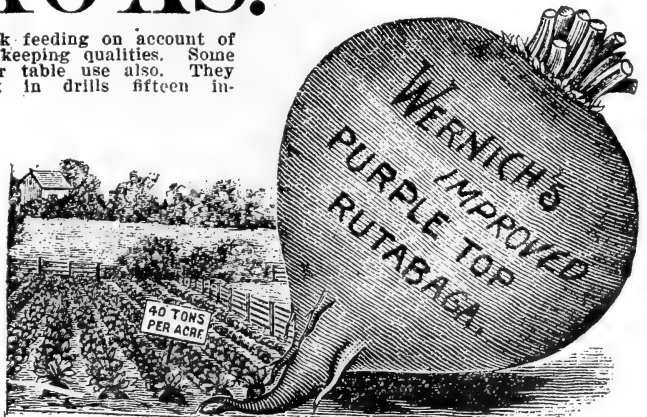
Rutabagas are really preferable for stock feeding on account of their superior nutritive, as well as better keeping qualities. Some of the finest are desirable and popular for table use also. They should be sown from April to August in drills fifteen inches apart, and for winter use may be sown from the twentieth of June to the middle of July. One ounce will sow 150 feet of drill. Two pounds will sow 1 acre in drills. One pound will sow one acre broadcast.

**Wernich's Improved Purple Top.** Tops very small. Bulbs large, having few, if any, roots. Skin deep purple above, bright yellow underneath. Flesh golden yellow, of fine texture, sweet and of richest flavor. Very hardy, unusually productive, and a good keeper. Desirable for table use and stock feeding. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 45c.

**Bloodsdaile Purple Top.** A standard and productive sort. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 45c.

**Large White.** Large and productive. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 45c.

**Yellow Swede.** For table or stock use. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; 1 lb., 45c.



# TOBACCO.



Tobacco.

Culture—Sow seed as soon as danger of frost is over, in land on which brush has been burned; or else wood ashes on seed bed. Pulverize soil of seed bed thoroughly. When plants are 6 inches high, transplant into hills 4 or 5 feet apart each way, and cultivate frequently. An ounce of seed will produce plants for an acre. Cover seeds lightly.

**Imported Havana.** Best of all for the manufacture of cigars, but inclined to deteriorate; hence the necessity of renewing the seed each year. Pkt., 5c.; oz., 25c.; ¼ lb., 75c.; 1 lb., \$2.50.

**Connoisseur.** Fine long leaf. Best adapted to the northern states. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; 1 lb., \$2.00.

**Sumatra.** It is this variety from which the famous Sumatra wrappers are made. Pkt., 10c.; oz., 50c.; ¼ lb., \$1.50; 1 lb., \$5.50.



Rhubarb.

## HORSE RADISH.

The best horse radish is produced from small pieces of roots 4 or 5 inches in length. These small roots will produce Radish fit for use in one season's growth. Plant the set small end down, where the starting cut is so that the top will be two inches under the soil. The soil should be very rich and well cultivated. It is hardy and may be left in the ground until spring before digging. A part of the crop may be pitted late in the fall if desired. A dozen roots will give all that will be needed for family use. As it always increases it is best to plant it in some out of the way place in the garden. A very profitable crop for market gardeners to grow. By mail, postpaid, each, 5c.; doz., 25c.; 50 for 60c.; 100 for 90c. By express, not paid, 100 for 75c.; 300 for \$2.00; 500 for \$3.00; 1000 for \$5.00. Prices on Application for Larger Lots.



Horseradish.

## RHUBARB.

Set in spring they will furnish leaf-stocks the following season.

**Mammoth.** This is a very large sort. Early, tender and fine flavored. We have grown it with stalks three feet long and more than two inches through, and very tender and mild. Small plants, 15c each; \$1.50 per dozen, postpaid. By express at purchaser's expense, large plants, each 25c.; \$2.50 per doz.

## ASPARAGUS PLANTS

Every gardener should possess an Asparagus bed. A good asparagus bed will produce for 50 years.

**Conover's Colossal.** The standard variety.

**Palmetto.** A favorite among market gardeners.

**Columbian Mammoth.** The largest variety known.

Prices: 1 year old plants, per 25, 50c.; per 100, \$1.75.

Prices on Application for Larger Lots.

# ONION SETS.

Bottom Sets are sold by measure. Multiplier, Button and Egyptian, by weight, 28 lbs. for a bushel.

F  
R  
E  
S  
H

BOTTOM  
ONION SETS



POTATO  
ONION SETS



C  
L  
E  
A  
N

**Onion Set Prices.** Prices are based on present market rates and are subject to change, according to the market, without notice. Lowest market prices on small or large quantities will be given on application at any time.

### BOTTOM ONIONS, OR ONION SETS.

Are produced by sowing the seed thickly in the spring, in beds or drills, and about the end of July, or wherever the tops lie down, the little bulbs are gathered and reset in the spring to make large Onions.

**Yellow Bottom Sets.** Prepaid, pt. 15c.; qt. 25c.; Not prepaid, pt. 10c.; qt. 15c.; peck 75c.; bu. \$2.75.

**White Bottom Sets.** Prepaid, pt. 15c.; qt. 30c.; Not prepaid, pt. 10c.; qt. 20c.; peck 80c.; bu. \$3.00.

**Red Bottom Sets.** Prepaid, pt. 15c.; qt. 30c.; Not prepaid, pt. 10c.; qt. 20c.; peck, 80c.; bu. \$2.75.

### WINTER EGYPTIAN, OR PERENNIAL TREE.

When once set out they grow for years without protection. They form no large bulbs, but divide and grow as many as fifteen or twenty small onions in a bunch. Prepaid, pt. 15c.; qt. 25c. Not prepaid, pt. 10c.; qt. 15c.; peck, 60c.; bu. \$2.25.

### TOP SETS OR BOTTOMS. "TOPPYS."

These produce the small clusters on the top of the stem. These small ones are planted in the spring and the result is large onions, and these large ones with one year's growth, produce the clusters on top. Prepaid, pt. 15c.; qt. 30c. Not prepaid, pt. 10c.; qt. 20c.; peck, 80c.; bu. \$2.75.

### MULTIPLIERS, OR POTATO ONION SETS.

Are enormously productive, frequently producing as many as twenty bulbs in a single cluster from a single bulb planted; of excellent quality and size for bunching green; or can be ripened for use as pickling onions.

**White.** Prepaid, pt. 25c.; qt. 40c. Not prepaid, pt. 20c.; qt. 30c.; peck \$1.25; bu. \$4.00.

**Yellow or Shallots.** Prepaid, pt. 25c.; qt. 40c. Not prepaid, pt. 20c.; qt. 30c.; peck \$1.25; bu. \$4.25.

# AROMATIC, MEDICINAL AND POT HERBS.

Any  
13 Pkgs.  
for Fifty  
Cents.



SWEET BASIL.



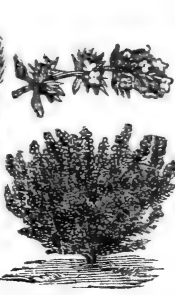
SAGE.



SWEET MARJORAM.



SUMMER SAVORY.



THYME

All  
26 Pkgs.  
for One  
Dollar.

An assortment of choice pot and sweet herbs should be grown in every garden for flavoring soups, meats, etc. Many country gardeners still grow the simple medicinal herbs for home use. Herbs in general prefer a cool, moist soil, making their most rapid growth during the cool spring months. Seeds of those varieties, the leaves of which are used either in a dried or green state, especially in the perennial varieties, should be sown thinly in shallow drills as early in the spring as the soil can be dug in a fine, loose condition. When well started, the perennial varieties should be transplanted to regular beds or borders, setting plants twelve inches apart in the rows, and rows far enough apart to admit of easy cultivation. The annual varieties should also be sown early, making rows twelve to eighteen inches apart for those of which the leaves are dried and two feet apart for those raised for the ripened seed, such as Dill, Caraway, Coriander, etc.

To preserve the varieties, of which the leaves are used, the stems should be cut close to the ground, just when coming into flower, tied in small bundles and hung to dry in a cool loft or shed. For the varieties producing aromatic seeds cut off the tops or seed-heads as soon as ripened; spread thinly on floor of a cool loft or tie in bundles, seed to be threshed out and cleaned in the same manner as grain. The varieties marked with an asterisk (\*) are perennial.

**Anise** (*Pimpinella anisum*). Used for cordial, garnishing and flavoring; the seeds have an agreeable, aromatic taste. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 30c; 1 lb. 95c.

**Balm** (*Melissa officinalis*). The leaves have a fragrant odor, and are used for making a pleasant beverage, known as balm wine; also for balm tea, for use in fevers. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.50.

**Basil, Sweet** (*Ocimum basilicum*). The leaves are used for flavoring soups, stews and highly seasoned dishes. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.35.

**Borage** (*Borago officinalis*). The leaves are used for flavoring and the flowers furnish bee pasture; most easily grown in any waste place. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25.

**Caraway** (*Carum carui*). Grown for the seeds, which are used extensively for the flavoring of bread, pastry, etc. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Catnip, or Catmint** (*Nepeta cataria*). The leaves and young shoots are used for seasoning. It makes also an excellent bee pasture. Pkt. 10c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$3.50.

**Chamomile** (*Matricaria chamomilla*). Used for tea; by many considered a household necessity. Pkt. 10c; oz. 75c;  $\frac{1}{4}$  lb. \$2.50; 1 lb. \$9.00.

**Chives**. Used for seasoning. See page 18 for seed.

**Coriander** (*Coriandrum savitum*). The seeds are used in the manufacture of liquors and confectionery. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 25c; 1 lb. 75c.

**Dill** (*Anethum graveolens*). The seeds have an aromatic odor, and warm, pungent taste. They are used as a condiment, and also for pickling with cucumbers. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 50c.

**Fennel, Sweet** (*Anethum foeniculum*). The leaves boiled are used in fish sauces. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 75c.

**Horehound** (*Marrubium vulgare*). The leaves are used for seasoning and also in the manufacture of the popular cough remedy. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.75.

**Hyssop** (*Hyssopus officinalis*). A hardy perennial with an aromatic flavor, and warm, pungent taste. It is a stimulant and expectorant and is used in asthma and chronic catarrh. The flowering summits and leaves are the parts used. It does best on a dry, sandy soil. The plants should be thinned to 12 inches apart. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Lavender** (*Lavendula vera*). A hardy perennial, growing about two feet high. It is used for the distillation of lavender water, or dried and used to perfume linen. It does best in light, warm soil. It should be picked before it becomes dry and hard, and dried quickly. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.99.

**Marjoram, Sweet** (*Origanum marjoram*). The leaves and the ends of the shoots are esteemed for seasoning in summer, and also dried for winter use. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00.

**Pennyroyal** (*Mentha pulegium*). The true Pennyroyal is but little known. Pkt. 10c; oz. 75c;  $\frac{1}{4}$  lb. \$2.50; 1 lb. \$8.00.

**Rosemary** (*Rosmarinus officinalis*). The aromatic leaves are used for seasoning. Pkt. 5c; oz. 25c;  $\frac{1}{4}$  lb. 75c; 1 lb. \$2.50.

**Rue** (*Ruta graveolens*). For medicinal purposes; good for fowls, for the croup. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 50c; 1 lb. \$1.50.

**Saffron** (*Carthamus tinctorius*). A hardy annual from Egypt. Cultivated for its flowers, which are used in dyeing and to make the cosmetic powder called rouge. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.00.

**Sage** (*Salvia officinalis*). The most extensively used of all herbs for seasoning and dressing; indispensable. Pkt. 5c; oz. 15c;  $\frac{1}{4}$  lb. 35c; 1 lb. \$1.25.

**Summer Savory** (*Satureia hortensis*). The leaves and flowers are used extensively for flavoring, particularly in soups and dressings. Pkt. 5c; oz. 10c;  $\frac{1}{4}$  lb. 20c; 1 lb. 70c.

**Tansy** (*Tanacetum vulgare*). A hardy perennial and grows wild in many parts of this country. The leaves, when green, have a peculiar aromatic odor, which they lose in drying. Cultivated for its medicinal properties. Pkt. 5c; oz. 30c;  $\frac{1}{4}$  lb. \$1.00; 1 lb. \$2.50.

**Tarragon** (*Artemisia dracunculus*). This herb is appreciated thoroughly by all who know it for the use of its aromatic leaves in seasoning of salads, also for Tarragon Vinegar. The foliage, if cut in autumn, can be kept in a dry state the same as other herbs. In the Northern States give some protection during winter. Pkt. 25c; oz. \$5.00.

**Thyme** (*Thymus vulgaris*). This herb is perennial and is both a medicinal and culinary plant. The young leaves and tops are used for soups, dressing and sauce; a tea is made from the leaves which is a great remedy in nervous headache. Sow as early as the ground will permit. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 60c; 1 lb. \$2.25.

**Wormwood** (*Artemisia absinthium*). A perennial plant of strong and fragrant odor, and aromatic, but intensely bitter taste. The leaves are used as a tonic and vermifuge and as a dressing for fresh bruises. Is raised from seed and propagated by cuttings, or dividing the roots. A dry, poor soil is best adapted to bring out the peculiar virtues of this plant. Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 40c; 1 lb. \$1.25.

**Woodruff** (*Asperula odorata*). Waldmeister. Must be sown in moist and shady places. It is used mostly for making May wine and for this purpose is in great demand. Pkt. 10c.

WE DELIVER ALL SEEDS OFFERED ON THIS PAGE FREE AT PRICES QUOTED TO ANY POSTOFFICE IN THE UNITED STATES.



## CHANGE YOUR SEED.

All practical farmers AGREE that seed grown year after year under the same conditions of soil and climate "RUNS OUT" after a time, rendering a change of seed not only DESIRABLE but NECESSARY. To such we offer NORTHERN GROWN STOCKS of the BEST VARIETIES, CAREFULLY SELECTED, THOROUGHLY RECLEANED and PRICES SO REASONABLE as to enable every farmer who wishes to get a new start in SEED OATS, BARLEY, CORN, ETC., to do so at a VERY SMALL EXPENSE.

### NEW HANNA BARLEY.

A new variety of 2-rowed barley recently introduced by the U. S. Dept. of Agriculture. It is a pedigree variety from Europe, and is spoken of as "the great favorite barley among German and Austrian brewers." It is not 6-rowed, like our other varieties, but 2-rowed. Two-rowed barley is always plumper than 6-rowed, and the very plump kernels are a distinguishing characteristic of the Hanna. This barley was awarded gold medal at St. Louis. It is grown and highly recommended by several agriculturists of national reputation. It is also called Moravian barley. Is noted for its earliness and mealiness of grain, as well as its plumpness of kernel and heavy yielding capacity. Prepaid, lb. 15c. Not prepaid, peck 50c; bu. \$1.50; 2½ bu. \$3.65.

### MANSHURY.

A six-rowed variety, plump kernels, straw long and a heavy yielder. Prepaid, lb. 15c; 5 lbs. 70c. Not prepaid, peck 45c; bu. \$1.50; 2½ bu. \$3.65; 5 bu. \$7.00; 10 bu. \$13.50.

### GERMAN MELON.

This barley was introduced by us some years ago and has given the best of satisfaction wherever grown. Brewers prefer this sort to all others. Prepaid, lb. 15c; 5 lbs. 70c. Not prepaid, pk. 50c; bu. \$1.45; 2½ bu. \$3.50; 5 bu. \$6.75; 10 bu. \$12.50.

### SUCCESS OR BEARDLESS.

All barley growers have experienced the annoyance occasioned by the chafing and sticking of the beards while threshing. This nuisance has been overcome in the New Beardless Barley, which is entirely free from beards. This barley is six-rowed, the straw grows to a good height, is stiff and strong, and does not readily lodge. Prepaid, lb. 15c; 5 lbs. 70c. Not prepaid, pk. 50c; bu. \$1.65; 2½ bu. \$3.75.

### GIANT WHITE HULLESS.

We are going to start out in the description of this barley by making this broad, sweeping statement, that it is the most prolific and health producing food for hogs, cattle and poultry extant today. Of course, the farmer living in the corn growing states of Illinois, Iowa, and Nebraska believes that he has a better food in corn than in this Giant White Hulless Barley but the fact of the matter is that this is a mere assumption, because he has not given this barley a trial side by side with his rich corn. But take, for instance, states where corn does not thrive, take the northern parts of Wisconsin, Minnesota, the Dakotas and Montana, and a great many other states where corn does not thrive as luxuriantly as in Iowa, Illinois, Indiana, Nebraska and Kansas, we say that in the above states Giant White Hulless Barley is pre-eminently the crop to grow for stock fattening. Prepaid, lb. 15c; 5 lbs. 70c. Not prepaid, pk. 50c; bu. \$1.75; 2½ bu. \$4.25.

### SEED RYE.

#### SWEDISH SPRING.

Used mainly as a catch crop when other winter crops fail. Rye is a cereal that is very little sown compared with other grain. We cannot see why the farmers don't sow more. It always has a steady market price very seldom less than 55c per bu. and the yield from good seed will average 40 bu. per acre. Prepaid, lb. 15c; 5 lbs. 70c. Not prepaid, pk. 40c; bu. \$1.35; 2½ bu. \$3.10; 10 bu. \$12.50.

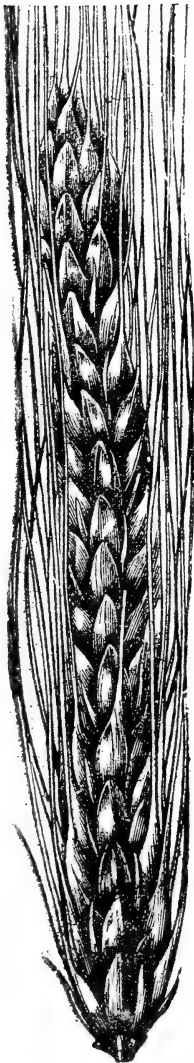
### ST. JOHN'S RYE.

This is undoubtedly the Only Rye to Sow, especially as a catch crop. None so prolific in straw or kernels as our "Matchless St. Johns."

The beauty of this Rye is that it can be sown early or late, it makes no difference, grow it will, wet or dry weather, and furnish abundance of fodder. If your winter wheat or other crops prove a failure, we know of nothing that compares with St. John's Rye, and by sowing it you will get:

1. If sown before the end of June, two large crops of hay.
2. Enough for pasturing your horses and cattle until late in the season.
3. In the spring it will come up thick, early and luxuriant.
4. Can then again be used as a pasturage or by letting it run to seed will yield 30 to 35 bushels of fine seed Rye. Sown with Oats and Sand Vetches as a catch crop you will have fodder to burn. If sown alone sow 40 lbs. to the acre.

Prepaid, lb. 30c; 5 lbs. \$1.25. Not prepaid, pk. 75c; bu. \$2.65.



Barley.





# NEW SWEDISH OATS

## HEAVY KERNEL - THIN HULL - STIFF STRAW

Out of 36 Varieties tested at the Wis. Exp. Sta., Swedish Oats Proved to be the Best.

This new oat originated in Sweden, from where it was imported into Russia and the original seed brought from there to this country in 1893 by Prof. Carleton, of the U. S. Department of Agriculture. The next year the Wis. Ex. Station secured these oats from Washington with several other varieties for trial. They have now been grown on the University plats for four years under the supervision of Prof. R. A. Moore and during all that time have been carefully tested and compared with 36 other varieties. Prof. Moore says:

**We have found them the most satisfactory of all varieties tested.** On the experimental plats the oats yielded exceptionally well, having a stiff straw, light hull and weighing 36 to 40 pounds per measured bushel.

Mr. Moore says further: "The Swedish select oats seem especially adapted to high, well drained land, and the best known returns are from clay-loam soils. The great root development is one of the characteristics of the Swedish oats which enables the plant to resist drought better than any other variety tested. The straw is coarse and is noted for its stiffness and power to withstand lodging."

We have grown these oats here ourselves for two seasons and have been watching them with a great deal of interest and satisfaction. We hardly ever have seen nicer looking oats. **They are large and thick, white, plump and heavy.** The past season, 1907, was very unfavorable here, but the Swedish made a splendid strong growth, did not lodge at all, and gave a good yield of the largest and plumpest oats grown here.

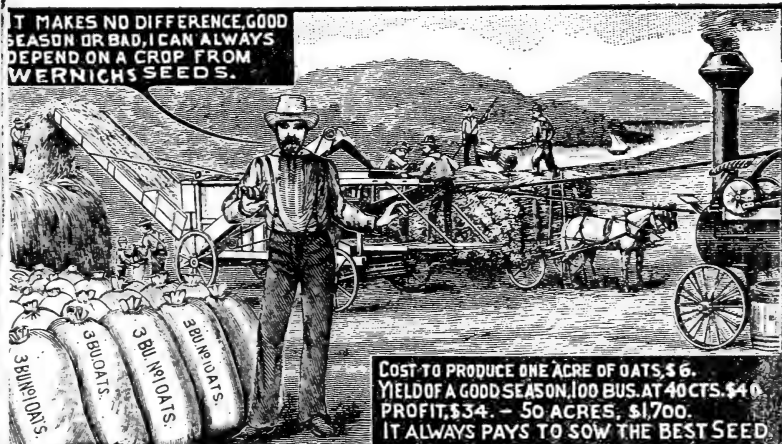
Now we know it is going to pay every farmer who sows oats to get some of our Swedish this year. Do not think the price is high. It is not high for such a valuable variety. If you get one-third or one-half more oats per acre or even 10 or 15 bushels more you will conclude it was a mighty good investment for you.

Peck 40c; bu. (32 lbs.) \$1.25; 2½ bu. \$3.00; 10 bu. \$11.00; 25 bu. \$26.25. Bags extra, 20c for 2½ bu.

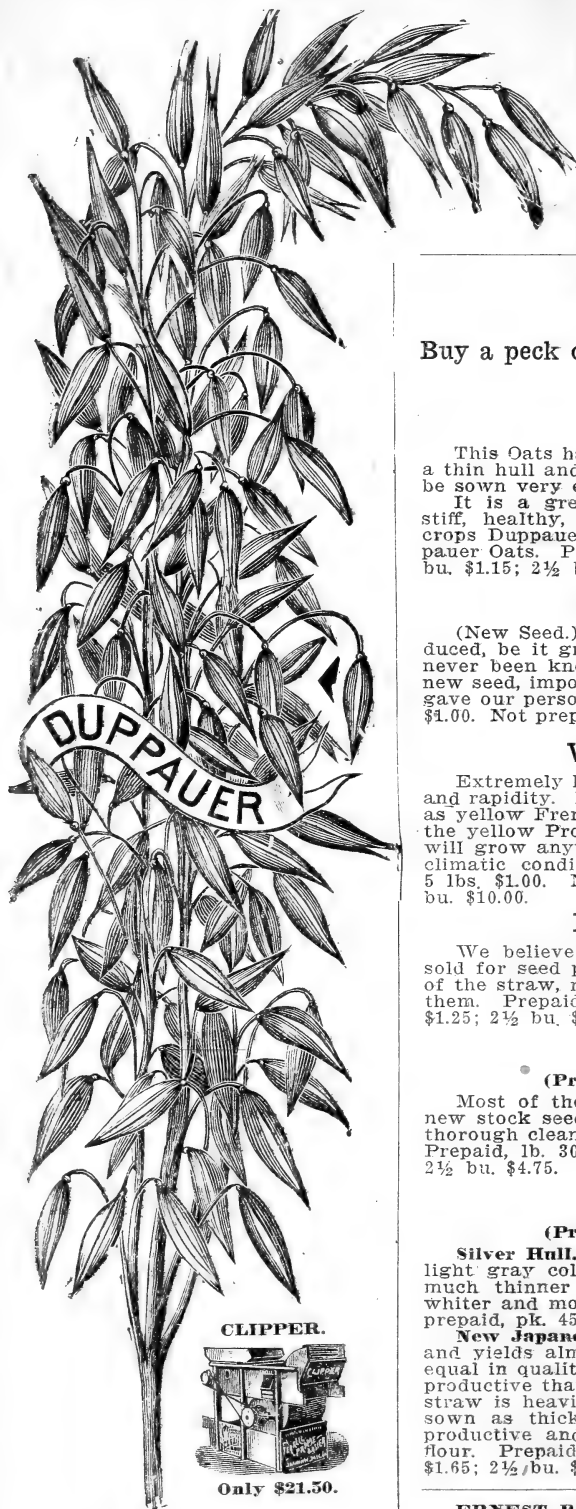
### IS IT POSSIBLE TO RAISE 100 BUSHEL OF OATS PER ACRE?

We say "yes," with Swedish, emphatically so. Under certain conditions, however. If you sow on well cultivated land and sow only Wernich's Recleaned Swedish Seed Oats, you can raise a crop of 100 bu. per acre. Our Growers have done it—you can do the same.

IT MAKES NO DIFFERENCE, GOOD SEASON OR BAD, I CAN ALWAYS DEPEND ON A CROP FROM WERNICH'S SEEDS.



COST TO PRODUCE ONE ACRE OF OATS, \$6.  
YIELD OF A GOOD SEASON, 100 BUS. AT 40 CTS. \$40  
PROFIT, \$34. — 50 ACRES, \$1700.  
IT ALWAYS PAYS TO SOW THE BEST SEED.



It will pay you to re-new your Seed Oats this year by sowing some of our improved varieties and thus greatly increase your yield.

## FARM SEEDS

CONT NUED.

## RECLEANED SEED

## OATS

### READ'S DEFIANCE OATS.

See Novelties.

Buy a peck of of this Oats to raise your own seed for next year.

### DUPPAUER OATS.

This Oats has stiff straw, stands up well, plump berries with a thin hull and of good color. It is extremely early and should be sown very early.

It is a great stooler, one kernel producing many strong, stiff, healthy, vigorous stems. This accounts for the large crops Duppauger Oats will yield. It will pay you to sow Duppauger Oats. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 40c; bu. \$1.15; 2½ bu. \$2.75; 10 bu. \$10.50.

### WHITE PROBSTIER OATS.

(New Seed.) This we believe to be the best oats ever introduced, be it grown in the North, East, South or West. It has never been known to fail. Our stock this year is grown from new seed, imported some years ago and the seedling of which we gave our personal attention at the time. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 40c; bu. \$1.10; 2½ bu. \$2.65; 10 bu. \$10.00.

### WERNICH'S GOLDEN OATS.

Extremely hardy, makes a strong stool and grows with vigor and rapidity. Do not compare thin oats with the variety known as yellow French, which is good oats but cannot compete with the yellow Probstier for earliness, heaviness or production. It will grow anywhere, and being rust proof, will grow under all climatic conditions where oats will grow. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 40c; bu. \$1.10; 2½ bu. \$2.65; 10 bu. \$10.00.

### BLACK TARTARIAN OATS.

We believe that in this oats we have the best black oats sold for seed purposes. Unequaled in the stiffness or strength of the straw, nothing less than a tornado or cyclone will lodge them. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 50c; bu. \$1.25; 2½ bu. \$3.00.

## FLAX.

(Prices Subject to Market Fluctuations.)

Most of the flax seed in this country is run out. Ours is new stock seed that is tip top. We exercise great care in the thorough cleansing of our seeds so as to rid it of noxious seed. Prepaid, lb. 30c; 5 lbs. \$1.25. Not prepaid, pk. 65c; bu. \$1.95; 2½ bu. \$4.75.

## BUCKWHEAT.

(Prices Subject to Market Fluctuations.)

**Silver Hull.** A very good and popular variety. Grain is of light gray color, is rounder than the common variety, has a much thinner husk, earlier, and yields more. The flour is whiter and more nutritious. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 45c; bu. \$1.50; 2½ bu. \$3.65.

**New Japanese.** About a week earlier than the Silver Hull, and yields almost as much again. The flour made from it is equal in quality to any other buckwheat, while it is much more productive than any other and succeeds well far north. As the straw is heavier and it branches more, it does not need to be sown as thickly as the other kinds. Largest kernels, most productive and earliest; stands up well and makes the best flour. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 50c; bu. \$1.65; 2½ bu. \$3.95.

**ERNEST BIEHLE,** Stanton, Nebraska, writes: "Have been buying seeds from you every year for the past ten years and have always found them satisfactory."

**ERNEST HENKEL,** Russel, Ill., writes: "The Seed Corn bought of you the past season was O. K."

**GEO. J. BUTZ,** Pearl City, Ill., writes: "I want to say a few words in regard to Brazilian Flour Corn. It is a perfect wonder the way it grew. The finest and most delicious flour I ever had. Long Live Brazilian Flour Corn."

**CARL KELLER,** Home, Kan., writes: "We are always pleased with your seeds."

# SEED WHEAT.

We are obliged to ask a considerable advance over the market price for our High Grade Seed Wheat as there is very much larger cost attached to its production and preparation than any one, who has not had the experience, could possibly appreciate. Space does not permit of going into details, but as a matter of fact the prices named below for the larger quantities, represent but a slight advance over the cash outlay to use for selecting, cleaning and grading the Seed.

We believe that farmers who want to change their seed will find it very much to their advantage to secure enough, at least, to give them a start.

To those who do not care for the pedigree or highly improved stock, but want simply good, healthy, sound and reasonably clean wheat, we would state that we are in position at all times to select from the hundreds of cars which daily arrive in Milwaukee, excellent lots of either Fife or Blue Stem, and which we will sell either in car or less than car lots, at a slight advance over the prevailing market price. Will be glad to send samples and prices upon application.

## PROBSTIER.

This variety has all the characteristics of the Saskatchewan Fife, from which it is descended by careful selections. It excels in earliness, hardiness, productiveness and freedom from smut and all diseases. Our grower reports that Probstier will average 40 to 50 bushels per acre. "Bald." Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 60c; bu. \$1.75; 2½ bu. \$4.05; 10 bu. \$15.50.

## PEDIGREE BLUE STEM.

Northern grown, Pedigree stock. A distinct variety from all other spring wheats. The stem just below the head when green, has a beautiful blue bloom on it which entirely disappears as the wheat ripens, the straw and stem assuming a beautiful golden yellow hue and entirely free from rust. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, peck 60c; bu. \$1.75; 2½ bu. \$3.95; 10 bu. \$15.00.

## SASKATCHEWAN FIFE.

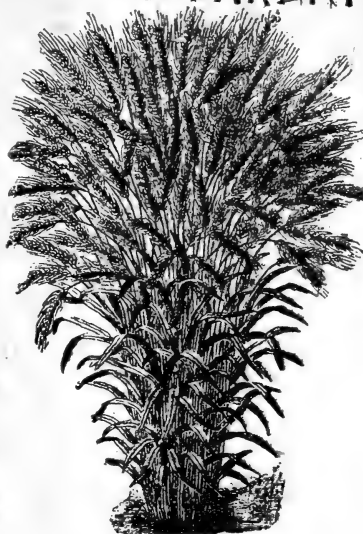
Early, productive, and known as one of the best No. 1 milling wheat, noted for its great productiveness, earliness and freedom from smut. So well known that further description is unnecessary. Prepaid, lb. 30c; 5 lbs. \$1.25. Not prepaid, peck, 65c; bu. \$1.85; 2½ bu. \$4.25; 10 bu. \$15.75. Henryville, Ind.

Wernich Seed Co., Milwaukee, Wis.

Gentlemen: I used your seeds last year and found them superior to any I ever tried. Please send me your Catalog. By complying with this request you will greatly oblige, Yours respectfully, Mamie Genner.



# MACARONI WHEAT.



## MACARONI WHEAT.

The Wheat for the West.

Recommended by the U. S. Department of Agriculture. Send for Circular No. 18 describing this Wheat and its usefulness. The market for this wheat will be a good one as the demand exceeds the supply. It is used principally in the manufacture of Macaroni. Macaroni manufacturers are ready to buy all that can be raised. About 15,000,000 pounds of foreign macaroni is imported annually solely because, being made from true Macaroni Wheat, it is considered to be a better quality than our domestic Macaroni, which is made almost entirely of bread wheats. Moreover the imported Macaroni sells at a much higher price. Of course all the cost of the imported product will be saved to this country if the farmers and millers will furnish our factories with the right kind of material, which they can easily do. Macaroni wheat will also make good bread; such bread-eating countries as Russia, France, Italy, Spain, Greece and the Mediterranean regions using it extensively. A small per cent. of softer wheat is usually mixed with the Macaroni wheat before grinding, however. It is the only wheat for our semi-arid plains where heretofore the raising of wheat was almost an impossibility. It will grow anywhere, withstands drouth, is rust-proof and earlier than other wheats. The yield varies from 12 to 40 bushels per acre, depending on soil and climate. In this country Macaroni wheat should be sown in the spring, in all territory north of the thirty-fifth parallel. South of that latitude, it should be sown in October 15th to December 1st. Prepaid, lb. 20c; 4 lbs. 75c. Not prepaid, lb. 10c; peck 50c; bu. \$1.65; 2½ bu. \$3.95.



the right kind of material, which they can easily do. Macaroni wheat will also make good bread; such bread-eating countries as Russia, France, Italy, Spain, Greece and the Mediterranean regions using it extensively. A small per cent. of softer wheat is usually mixed with the Macaroni wheat before grinding, however. It is the only wheat for our semi-arid plains where heretofore the raising of wheat was almost an impossibility. It will grow anywhere, withstands drouth, is rust-proof and earlier than other wheats. The yield varies from 12 to 40 bushels per acre, depending on soil and climate. In this country Macaroni wheat should be sown in the spring, in all territory north of the thirty-fifth parallel. South of that latitude, it should be sown in October 15th to December 1st. Prepaid, lb. 20c; 4 lbs. 75c. Not prepaid, lb. 10c; peck 50c; bu. \$1.65; 2½ bu. \$3.95.

# EMMER OR SPELTZ

"What is it?" Neither barley nor wheat, yet it resembles both, and outyields barley, oats and wheat. Botanically it is known as Triticum Spelta and is supposed to be grain grown in Egypt at the time of Moses. Ask your German neighbor, he has seen it grow in the old country and will tell you of its good qualities, both for milling as well as for feeding. It is a wonderful stooler and a robust grower and will do as well on poor as it will on rich soil. Prepaid, 1 lb. 25c; 5 lbs. \$1.00. Not prepaid, peck 40c; bu. \$1.25; 5 bu. \$4.80; 10 bu. \$11.15.

Prices of Fodder Corn Subject to Market Fluctuations.

# FODDER CORN.

Wherever Live Stock is an important feature of the farm. Fodder Corn is equally important. The best Fodder Corn is that which will give the greatest net amount of good feed from an acre of ground. The varieties we list are all good, each possessing certain distinctive points of excellence which we endeavor to point out in the description.

## EVERGREEN SWEET FODDER CORN.

It is an undeniable fact that there is better feeding quality in one ton of Evergreen Sweet Fodder Corn than in a much larger quantity of any other variety. The reason is evident, from the fact that all sweet corn possesses very much more sugar than the field sorts, and as sugar is the most important constituent, it necessarily follows that the corn possessing this in great quantity is most valuable. It does not, however, yield as large crops as the following sorts, but what it lacks in quantity it more than makes up in quality. It does not grow very tall, but it is a free stooler. Cattle eat it greedily, preferring it to all other kinds. Prepaid qt., 30 cts. Not prepaid, qt., 15 cts. pk., 50 cts., bu., \$1.75; 5 bu., \$1.60.

## RED COB ENSILAGE CORN.

A well-known Fodder Corn, producing enormous crops. More seed of this variety sold every year than of all other Fodder varieties put together. Prepaid, qt., 20 cts. Not prepaid, qt., 8 cts.; pk., 25 cts.; bu., 90c; 10 bu., \$8.50.

## PRIDE OF THE NORTH FODDER CORN.

Used extensively in all corn growing sections and considered the best early ripe Fodder Corn known. It stools freely and every stalk produces two to four ears. We sell this corn cheap. Prepaid, qt., 20 cts. Not prepaid, qt., 8 cts.; pk., 40 cts., bu., \$1.25; 10 bu., \$11.50.



Evergreen Sweet Fodder Corn;

IN  
ILLINOIS.

Kewanee, Ill.

Gentlemen:

From the 1 qt. Brazilian Flour Corn bought of you I harvested 14 bushel, which certainly is a remarkable crop.

Ernst Spiegel.



IN  
MICHIGAN.

St Clair Heights,  
Mich.

Gentlemen:

From 16 kernels Brazilian Flour Corn planted last year I harvested 1/2 bushel Corn. This beats all local records

Christ Feldmann.

### BRAZILIAN FLOUR CORN

20 STALKS HAVE GROWN FROM ONE KERNEL  
SEARS EACH STALK, I.E. PRINTER MILWAUKEE  
REPORTS: "A DEEP SEED YIELDED THROUGH SAND  
FOR 30 CATTLE FOR 2 WEEKS. STANDING ON  
THE SPOT I CUT ENOUGH FOR ONE FEED FOR 20 HEAD"

## BRAZILIAN FLOUR OR NEW CENTURY WONDER CORN.

A most wonderful variety from South America, different in many respects from other sorts. Instead of growing like ordinary corn, one stalk to each kernel planted, it stools like winter wheat, producing 10 to 20 stalks from each seed. There are frequently 3 to 7 ears to the stalk; being 8 to 10 inches long, and of the most clear snowy white color. It is of excellent quality when used on the table like sweet corn, yielding, of course, a much larger crop, and when dry and ground makes the cleanest, finest, whitest meal you ever saw. It will rise like wheat flour and can be used in bread, biscuits, pies and cakes, and is therefore sometimes called Flour Corn. Yields 100 to 160 bushels per acre. The IOWA STATE REGISTER in its Farm Department says:—"This wonderful corn which was grown about four miles northwest of Des Moines grows 10 to 12 feet high, produces 3 to 7 ears on a stalk and 10 to 20 stalks, to the hill from one seed planted. The ears are about 9 inches long and it yielded 75 bushels on half an acre. It makes the finest of stock food when cut for fodder and produces many times as much as ordinary corn." We believe this corn will prove of great value everywhere for use as sweet corn, to grind into meal, to feed hogs, cattle and horses and as a fodder plant.

**A COMPARISON.**—A crop of wheat is considered a fair yield if it produces ten fold or ten bushels to each bushel sown. The New Century Wonder is not satisfied with ten-fold, a hundred-fold, a thousand-fold or ten thousand-fold, but it is claimed that in a field you can find hills grown from one kernel which bear 20,000 to 40,000 kernels. Of course the entire crop will not average that, but it is wonderful! just think of it, 40,000 to 1. Prepaid, pt., 25c; qt., 35c. Not prepaid, pt., 15c; qt., 20c; 1/2 pk., 40c; pk., 75c; bu., \$2.50; 5 bu., \$10.75.





# SELECTED SEED CORN.

## NORTHERN GROWN.

The following varieties will mature a crop as far north as Corn will ripen under ordinary conditions. Our Seed Corn has all been subjected to a thorough test of its germinating qualities.

### TO AVOID DELAY.

when ordering late in season, it would be well to mention your second choice, in case we should be sold out of variety ordered.

## YELLOW DENT VARIETIES.

### WERNICH'S EARLIEST OF ALL, "NEW."

EARLY, SMOOTH, HANDSOME, HARDY, PRODUCTIVE, PROFITABLE.

Beyond a doubt the best corn ever introduced. It grows a medium sized stalk with a large ear of good length, 8 to 10 inches. The cob is small, the kernel smooth and very deep, thus ensuring large yield. The plant is vigorous, well supplied with foliage. It roots deeply, thus enabling it to withstand adverse conditions of weather. This variety is not an "Accident," but is the result of selecting and hybridizing with the object of producing an Extra Early, Large Eared and Large Yielding Yellow Dent Corn. This has been accomplished. Its record is ninety days of good corn weather from date of planting to maturity, and entirely out of frost danger. The past season it ripened about September 1st, right here in Wisconsin. Our supply is limited, order early. Prepaid, qt. 35c. Not prepaid, qt. 20c; peck 75c; bu. \$2.75; 5 bu. \$13.50.

### KING OF THE EARLIEST SEED CORN.

The earliest Dent Corn known, yields more and shells easier than any other sort. It will mature a crop further north than any other known variety. Short, leafy stalks, medium sized ears, small red cobs and long, deep grains. Give it a trial and be convinced. Prepaid, qt. 25c. Not prepaid, qt. 10c; pk. 60c; bu. \$1.85; 5 bu. \$3.50.

### PRIDE OF THE NORTH SEED CORN.

Ears 8 to 19 inches in length and 1½ inches in diameter. Kernels closely set, above medium size, long, narrow, thin, of deep orange color, shading to pale yellow at the tip. Cob very small and red. Stalks about medium height, 6 to 8 feet. Prepaid, qt. 25c. Not prepaid, qt. 10c; pk. 60c; bu. \$1.75; 5 bu. \$3.25.

### WHITE CAP YELLOW DENT SEED CORN.

This now famous corn possesses the earliness of Pride of the North, and will produce a greater yield on thin, poor land, than any other corn. Grows about 6 to 7 feet in height, with abundant foliage and fine large ear. The tip ends of the grains are white, the inside yellow, making it a beautiful color both when on cob and when shelled. It ripened and produced an enormous crop in the State of New York. Prepaid, qt. 25c. Not prepaid, qt. 10c; peck 55c; bu. \$1.65; 5 bu. \$8.00.

### EARLY MASTODON SEED CORN.

The largest of all yellow Dent varieties, maturing in 100 days. In the celebrated American Agriculturist Corn Contest, Mastodon Dent outyielded by far every other variety of Yellow Corn, 213 bushels of shelled corn being raised on one acre. Prepaid, qt. 25c. Not prepaid, qt. 10c; pk. 55c; bu. \$1.65; 5 bu. \$7.50.

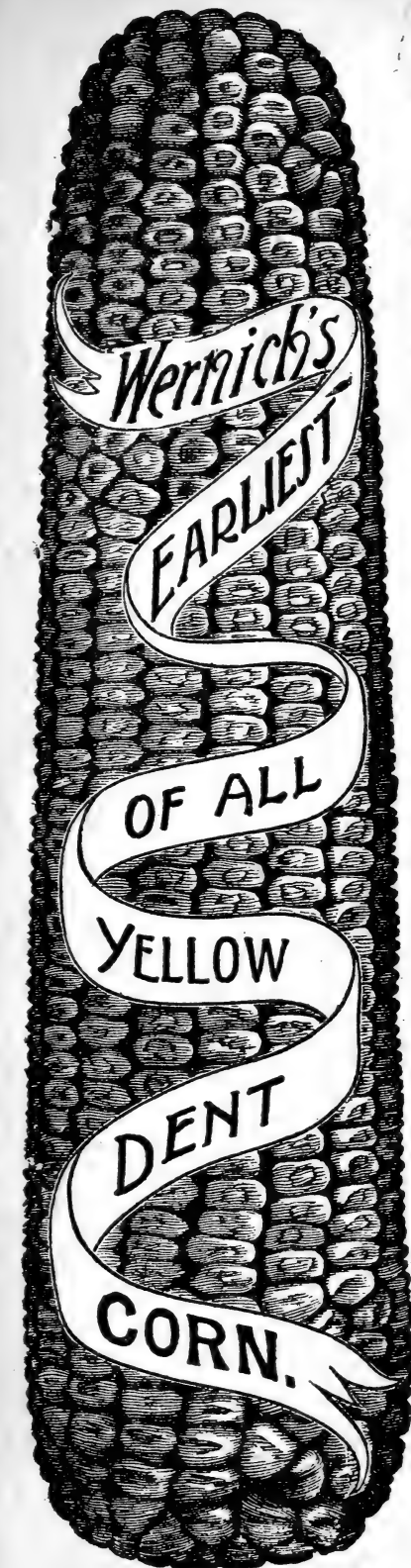
## YELLOW FLINT VARIETIES.

### WERNICH'S TEN WEEKS SEED CORN.

We consider this the best strain of hard-grained, eight rowed yellow Flint Corn in cultivation. Under favorable conditions, matures in about eighty days, and while not so productive as the varieties of Dent Corn, is valuable for the short seasons of the far North, and also for second planting. Ear is perfectly formed. Prepaid, qt. 30c. Not prepaid, qt. 15c; pk. 85c; bu. \$3.00.

### ANGEL OF MIDNIGHT SEED CORN.

Stalks are of medium size, ears 10 to 12 inches in length and rows even. Prepaid, qt. 30c. Not prepaid, qt. 15c; pk. 75c; bu. \$2.65.



It costs less than 25c an acre to use our carefully selected and tested Seed Corn.

# SELECTED SEED CORN.

## NORTHERN GROWN.

### NEW SILVER KING OR WISCONSIN No. 7.

Raised and Recommended by the Wisconsin Experiment Station.

This new corn is recommended by the Wisconsin Experiment Station as the best corn for northern states. Mr. A. L. Stone writes about same as follows: "The Silver King (Wis. No. 7) is one of Wisconsin's Leaders. At the experiment farm this year we received a yield of 75 bu. of shelled corn to the acre. This yield is exceptionally good for Wisconsin, being twice the average yield of the state. Some members of the association received as many as 80 and 90 bushels."

H. A. Main, Ft. Atkinson, writes: "This is the second year that I have raised Silver King and am well pleased with it and will increase my acreage next year."

Hy. M. Peck, Marshall, Wis., writes: "I think Silver King is the best in Wisconsin. Ears medium sized and filled out well to the end and good size at tip."

We have quite a number of letters from prominent farmers, all recommending this variety very highly.

Our stock is limited and we advise our customers therefore to order early. Qt. 35c, prepaid. Not prepaid, qt. 20c; pk. 85c; bu. \$3.00; 5 bu. \$14.25.

## WHITE DENT VARIETIES.

### ADAMS' EXTRA EARLY SEED CORN.

Hardest and earliest corn known. Can be planted earlier than any other corn. Most seed dealers sell it as sweet corn on account of its extreme earliness, combined with its sweetness and tender qualities for the table use. It is an immense yielder and under favorable circumstances ripens in 60 days. Sets ears fit to eat in 50 days. Prepaid, qt. 30c. Not prepaid, qt. 15c; peck 85c; bu. \$2.75.

### WERNICH'S SWEET WHITE PEARL SEED CORN.

Grown in the far North especially for our trade. By far the best White Dent in cultivation. We have sold this corn for the past 12 years, and have yet to hear the first complaint. It has all the characteristics of the Champion White Pearl, the well known White Dent variety, but is earlier in maturing and contains more nutritious food than the Champion. In yield it surpasses anything known as corn. Those who have planted it in the past think so well of it that the new varieties constantly coming out year after year have no fascination for them, being firmly convinced that Wernich's Sweet White Pearl is the earliest and purest of all the White Dents now sold by seed dealers. "Do give it a trial." Prepaid, qt. 35c. Not prepaid, qt. 20c; peck 75c; bu. \$2.75; 5 bu. \$13.25.

### CHAMPION WHITE PEARL SEED CORN.

Matures in 100 days. A beauty, and in every respect a first-class white sure cropping corn. Prepaid, qt. 25c. Not prepaid, qt. 10c; peck 50c; bu. \$1.65; 5 bu. \$7.50.

### WISCONSIN WHITE DENT SEED CORN.

Considered by many the best White Dent corn for the North. It cannot, however, compare with Wernich's Sweet White Pearl. Prepaid, qt. 25c. Not prepaid, qt. 10c; peck 50c; bu. \$1.75; 5 bu. \$7.75.

## WHITE FLINT VARIETIES.

### SILVER WHITE FLINT SEED CORN.

Early. An 8 to 10 rowed white flint corn; long, well shaped ears; small cob. Stalks bear from 2 to 3 ears, small kernels hard and compactly placed on cob. Prepaid, qt. 30c. Not prepaid, qt. 15c; peck 75c; bu. \$2.75.

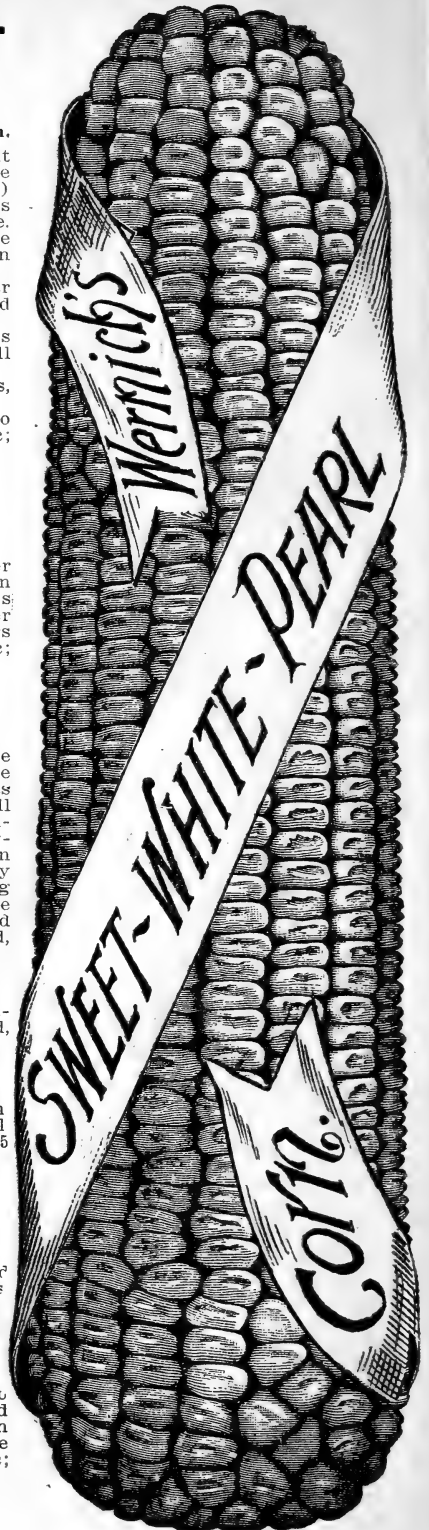
### CONNECTICUT WHITE SEED CORN.

An 8 rowed white flint variety with ears from 15 to 18 inches long, 1½ to 2½ inches in diameter, and are well filled out to extreme end of cob. The cob is small and the kernels large and broad; ripens in 75 to 85 days. Has given excellent results in northern states. Excellent for ensilage and is often used here for replanting. Prepaid, qt. 25c. Not prepaid, qt. 10c; peck 75c; bu. \$2.75.

## RED FLINT VARIETIES.

### KING PHILIP SEED CORN.

Early. One of the oldest and best known of the Flint varieties. Cob 10 to 12 inches, kernels of reddish color. Will ripen farther north than any Flint Corn known. Prepaid, qt. 25c. Not prepaid, qt. 10c; peck 75c; bu. \$2.85.



Do you deem it wise to risk doubtful corn when good Seed is so cheap?

# NORTHERN GROWN... SEED POTATOES

IT PAYS TO CHANGE SEED EVERY YEAR.

The necessity for changing potato seed often is universally admitted by all well-posted growers, but too seldom practiced, especially when the best seed can be had at so little additional outlay. About 8 bushels will seed an acre and at 25 cts. to 50 cts. per bushel additional cost the whole outlay would be \$2.00 to \$4.00 with an increase in the crop of at least 25 per cent. By using our Northern Grown Seed you are assured of early maturity, increasing yield and vigorous growth.

## EARLY ORDERS.

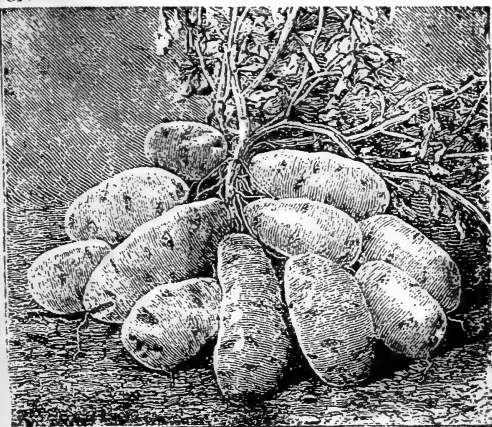
Everything points in the direction of a lively demand for Choice Seed Potatoes the coming Season, and while we have a good stock in store at present, we would advise customers to send in orders early.

## OUR PRICES.

The following prices are for good, straight, unmixed stock, but if you receive lower quotations before placing your order, write us what you want, and we will bid for your order.

## SPECIAL INSTRUCTIONS.

We will book orders at the following prices as long as our present stock lasts, no matter if there should be an advance in the market. We will fill orders just as soon as the weather, in our judgment, will permit. However, we cannot become responsible for changes in the weather by which they might become damaged enroute. We will ship at any time when requested to do so, regardless of weather, if customers wish to take their own risk. When ordering late, please state whether we shall return the money or send some other kind of equal value providing we cannot supply the sort you order.



Wernich's Early Six Weeks Potatoes.

## BLISS EARLY TRIUMPH POTATOES.

Has all the good qualities of the Early Rose, is much more productive and matures its crop at least a week in advance of the Early Rose. Tubers are of medium size, round and uniform in shape, with but a very few small ones; eyes slightly depressed; color a beautiful light red. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 50c; bu. \$1.50; bbl. \$4.25.

## EARLY SIX WEEKS POTATOES.

Without exception the earliest potato in existence, and the most popular of Early Potatoes on account of its reliability under all conditions. Medium size, smooth, oblong; skin pink, flesh white, tubers grow close together in the hill and grow so rapidly that under favorable circumstances they are fit for table use in six weeks from time of planting, and mature in ten or eleven weeks. It is by far the best selling Seed Potato we list. Prepaid, lb. 25c; 5 lbs. \$1.00; not prepaid, pk. 50c; bu. \$1.50; bbl. \$4.25.

## EXTRA EARLY OHIO POTATOES.

An old favorite and without doubt one of the most popular early potatoes known. A good yielder and "A Sure Early," of all the Earlies. Demand always larger than the supply. Gives satisfaction in all parts of the country. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, peck 50c; bu. \$1.45; bbl. \$3.85.

## WERNICH'S EARLY ROSE POTATOES.

An improvement on the Early Rose, so well known for earliness and general excellence. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 50c; bu. \$1.45; bbl. \$3.85.



Wernich's Early Acme Potatoes.

## A NEW EARLY POTATO—EARLY ACME.

Will prove itself a great favorite—more so than the Early Ohio and Early Six Weeks—both of which it resembles very much, but if anything, it is a little earlier, besides having the advantage of being never blood. It originated from a seed ball of Snowflake growing between Early Ohio and Early Rose. It grows strong, upright vines, tubers compact in the hill like the Ohios, flesh very white, and of high quality. We like it better than all other Earlies for general purposes. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 50c; bu. \$1.45; bbl. \$3.85.

## RURAL NEW YORKER POTATOES.

(Late.) Originated by E. S. Carman, Editor-in-chief of The Rural New Yorker. Very large and unusually smooth, with few eyes, of oblong form; flesh white and of superior quality. Vines strong; and yield very large. The potato is to the late varieties what Ohio's are to the Earlies, viz. the Standard market variety. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 40c; bu. \$1.25; bbl. \$3.15.

## CARMEN No. 3 POTATOES.

It is of perfect form, almost every potato being of same size and shape, and averaging nearly one pound each in weight, in good seasons. It has but a few eyes and they are shallow; the skin and flesh are extremely white and its cooking qualities are very fine. It is enormously prolific and keeps well. Prepaid, lb. 25c; 5 lbs. \$1.00. Not prepaid, pk. 40c; bu. \$1.25; bbl. \$3.25.

# ROOT CROPS.

FOR FEEDING STOCK.

## MANGEL WURZEL.

The value of Mangel for stock raising cannot be overestimated. Analysis having demonstrated that 400 pounds of mangel are equivalent to 100 pounds of the best hay. Crop of 1000 to 1500 bushels is nothing unusual. They will not only increase the yields of milk, but add largely to the health and general condition of all kinds of stock.

We have a large trade on Mangel Seed, and are careful to see that our stocks are of the finest strains that money will buy. Our prices are higher, 'tis true, but you are getting seed that tests 98 per cent. Undoubtedly your local merchant has seed that you can buy for 10 and 15 cts. a pound. We warn you to be careful in sowing such truck. **Sow only Wernich's Tested Mangel** and you will be satisfied.

### ECKENDORFER RED.

Very large. Remarkably even in shape and of vigorous growth; has a very smooth skin. Flesh white, firm and sweet, much liked by cattle. Easily lifted from the ground, producing enormous crops. Excellent keeper, yields 40 to 60 tons per acre. Prepaid, oz. 5c;  $\frac{1}{4}$  lb. 15c; lb. 45c. Not prepaid, 1 lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.50.

### ECKENDORFER YELLOW.

Very large. Remarkably even in shape, of vigorous growth; has a very smooth skin. Flesh white, firm and sweet, much liked by cattle. Easily lifted from the ground, producing enormous crops. Excellent keeper, yields 40 to 60 tons per acre. Prepaid, oz. 5c;  $\frac{1}{4}$  lb. 15c; lb. 45c. Not prepaid, 1 lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.50.

### OBENDORFER GOLDEN.

This is the production of one of the largest Mangel specialists of Europe. It is thought by many to be the most profitable of all Mangels, and is exceedingly popular in those sections where it is best known. Form round. Skin is yellow and smooth; flesh white and very firm. Prepaid, oz. 5c;  $\frac{1}{4}$  lb. 15c; lb. 45c. Not prepaid, 1 lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.50.

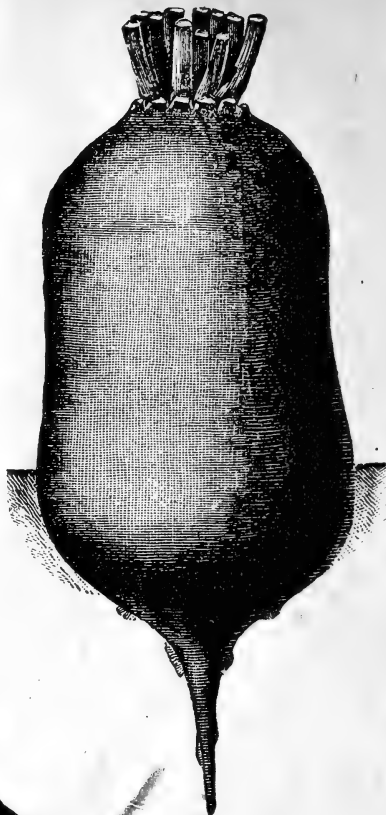
### GOLDEN TANKARD.

We have for years insisted that this was the best Mangel grown, and each season strengthens us in the position we took when it was a comparatively unknown sort. We recommend it as the best Mangel by far for dairy farmers. Prepaid, oz. 5c;  $\frac{1}{4}$  lb. 15c; lb. 35c. Not prepaid, 1 lb. 25c; 5 lbs. \$1.10; 10 lbs. \$2.00.



15 to 20  
TONS BEETS  
PER ACRE.

12 to 15  
PER CENT.  
OF  
SUGAR.



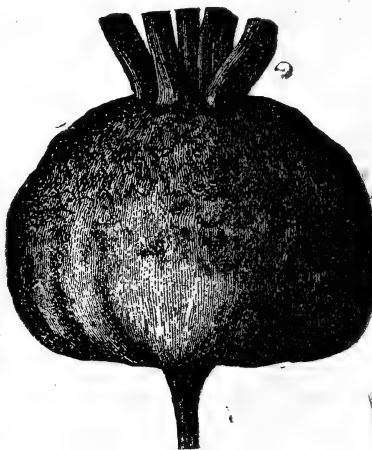
Leutowitzer.

### LEUTOWITZER RED.

This is an improvement on the old Mammoth Long Red Mangel. The roots are very large, uniformly straight and well formed. Color deep red; roots solid; tops small. Roots attain a large size. Produce an immense bulk and tonnage. Prepaid, oz. 5c;  $\frac{1}{4}$  lb. 15c; lb. 35c. Not prepaid, 1 lb. 25c; 5 lbs. \$1.10; 10 lbs. \$2.00.

### LONG RED.

The old Red Mangel. Prepaid, oz. 5c;  $\frac{1}{4}$  lb. 10c; lb. 30c. Not prepaid, 1 lb. 20c; 5 lbs. 85c; 10 lbs. \$1.60.



Obendorfer Golden.

## SUGAR BEETS.

For stock feeding experience has proven that Sugar Beets as well as Mangel Wurzel are healthful, nutritious and economical.

**Improved Kleinwanzlebener.** This variety at the present time has probably a wider cultivation than any other sugar beet. Our strain is of the very best, an improvement over the old Wanzlebener. "Floto," the grower and originator of the improved Kleinwanzlebener, is a well known grower and considered expert, many of the leading Beet Sugar refineries getting their seed from him. Prepaid, oz. 5c;  $\frac{1}{4}$  lb. 10c; lb. 35c. Not prepaid, 1 lb. 25c; 5 lbs. \$1.10; 10 lbs. \$2.00; 100 lbs. \$18.00.

**Vilmorin.** This Beet is the result of thirty-five years of methodic and persevering selection. Its average yield may be stated as from 12 to 16 tons per acre. Prepaid, oz. 15c;  $\frac{1}{4}$  lb. 10c; lb. 35c. Not prepaid, 1 lb. 25c; 5 lbs. \$1.10; 10 lbs. \$2.00; 100 lbs. \$18.00.

## TURNIPS, RUTABAGAS.

Invaluable as a farm crop, for feeding cattle during the fall and winter months, producing under good cultivation 1000 bushels per acre. Roots should be stored in barns, or pits, as soon as freezing weather sets in and used as wanted during the winter. Sow in drills two feet apart at the rate of 2 lbs. per acre and thin out to 8 inches apart.

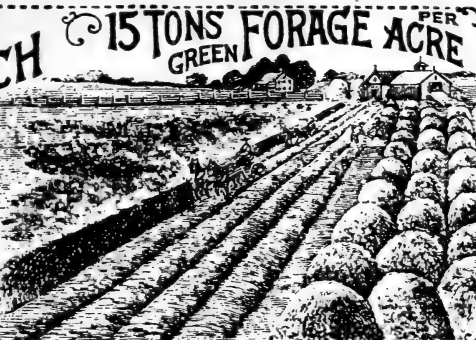
For description and prices of the various varieties see page 33, Vegetable Department.



**SAND OR HAIRY VETCH**

**15 TONS GREEN FORAGE PER ACRE**

**50 DAYS FROM PLANTING**



## SAND OR HAIRY VETCH.

*Vicia Villosa.* The Wonderful.

This plant is a native of Russia and extremely hardy, growing well during the cool weather of our early spring and late fall months. The plants are quite small and slender at first, but with sufficient moisture soon grow vigorously. It is excellent for forage, being readily eaten by all kinds of stock, either in the green state or cured for hay. The plant is of strong, running growth, with very abundant foliage, and if wanted for hay should be slowly dried in cocks to prevent the leaves from falling off. A nice hog pasture can be produced in a few months by making a sowing of these Vetches early in April. Sowings made in August or September withstand easily our Northwestern winters and will furnish a handsome crop of green fodder by the end of April, which, on good land, has equalled 15 tons green forage per acre. It is especially adapted for light, sandy soils and exposed hills, making an excellent cover crop to prevent the soil from washing during heavy rains, but does not succeed well in low, wet soils. The plant is a legume or nitrogen gatherer, and one of the best to plow under to enrich the soil.

## Continuous Fodder Mixture.

Farmer, Dairyman or Stock-raiser. Mixture is composed of Oats, St. John's Rye and Vetches. It can be sown at intervals which will furnish a continuous supply of fodder throughout the season. Invaluable as a catch crop after Winter Grain has been cut, there is nothing that will produce such crops of fodder as "Wernich's Continuous Fodder Mixture." In many instances Field Peas are sown along with this mixture. Sow 50 lbs. per

acre. 1 lb. 10c; 5 lbs. 35c, 10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$2.25; 100 lbs. \$4.25.



Field of Continuous Fodder Mixture.

## TEOSINTE

"THE WONDERFUL"

A fodder plant grown largely in some parts of the country. Some-what resembling corn in appearance, but the leaves are much longer and broader, and the stalks contain sweeter sap. In its perfection it produces a great number shoots, growing as much as 12 feet high; very thickly covered with leaves, yielding such an abundance of foliage that one plant is considered sufficient to feed a pair of cattle for twenty-four hours. Eighty-five stalks have been grown from one seed, attaining a height of eleven feet. Horses and cattle eat it as freely as young sugar corn. Down in Georgia, Florida and other Southern States Teosinte will yield all the way from 100 to 200 Tons Green Fodder per acre. In the Northern States it has yielded 50 Tons of Green Fodder per Acre.

We would advise sowing same in rows 2 feet apart, and the hills far enough apart to work. It wants plenty of sunshine and cultivation, and then it will grow so rapidly that it will soon cover a whole acre and look like a dense forest. It can be cut with a reaper and fed in the green state, or it can be dried and makes magnificent fodder for cattle during the long winter months. Prepaid, pkz., 10c; oz., 20c; ¼ lb., 40c; lb., 85c. Not prepaid, lb., 75c; 10 lbs., \$7.00.

## LATHYRUS SYLVESTRIS.

(FLAT PEA.)

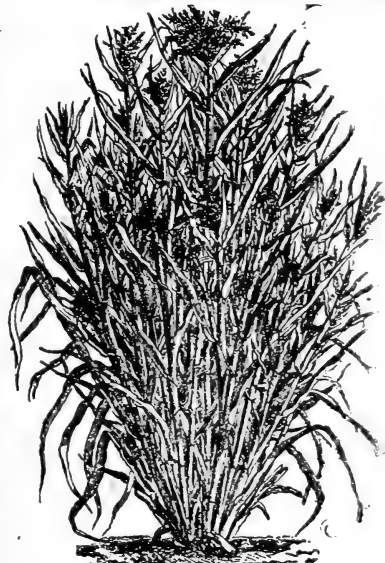
The seed should be sown in a small garden bed and transplanted when the plants are of suitable size. Its roots penetrate the soil thirty feet, which enables it to withstand great extremes of cold and drouth. It has double the feeding value of Alfalfa, a crop richer than Red Clover. It will last fifty years without manure and without reseeding. It will cut eight tons of hay per acre in a season. When established, a field of it will fatten hogs without corn. The plants grow very little above ground the first year, but the roots make rapid growth. The second year the top thickens up, and the third year the plant is matured. The seed requires several weeks to germinate. Sow in April or May on well prepared ground in drills about one to two feet apart; seeds about one to two inches deep, about two inches apart in drills, and cover well; keep well cleaned from weeds afterwards. Prepaid, pkz., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 85c. Not prepaid, 1 lb., 75c; 10 lbs., \$7.00.

Sow 2 bu. per acre, broadcast, early in the spring, harrowing the soil in lightly. Sow in drills 3 feet apart, using 30 lbs. of seed per acre, or broadcast with the addition of ½ bu. Rye or Oats to furnish support for the vines. Prepaid per lb., 25c; not prepaid, lb. 15c; 5 lbs. 70c; 10 lbs. \$1.15; 25 lbs. \$2.15; 100 lbs. \$7.50.

## Field Vetch.

Spring Tares (*Vicia sativa*).

Sown broadcast at rate of 1 to 1½ bushels to the acre, like wheat or barley, and sometimes mixed with oats for soiling. Prepaid, lb., 20c; not prepaid, lb. 10c; 5 lbs. 40c; 10 lbs. 60c; 25 lbs. \$1.40; 100 lbs. \$5.25.



Teosinte.

# FORAGE AND FODDER PLANTS.

## DWARF ESSEX RAPE.

It may be grown successfully in the following ways, viz.: 1. In the early spring to provide pasture for sheep and swine. 2. In June or July on well prepared land to prepare pasture for sheep. 3. Along with grain, using 2 lbs. of seed per acre to provide pasture for sheep after harvest. 4. Along with peas, oats, clover seed, to provide pasture for sheep and to get a "catch" of clover. 5. Along with corn drilled in broadcast to provide pasture for sheep. 6. In corn, sowing the seed with the last cultivation given to the corn. 7. Along with rye sown in Aug. in sheep pasture. At the Michigan Experiment Station 128 Lambs were pastured for 8 weeks on 5 acres of Rape and showed the magnificent total gain of 2890 lbs.,

or almost 3 lbs. per lamb for each week they were on the Rape Feed, and all at the small cost for seeding of 45c per acre.

At the Wisconsin Agricultural Experiment Station half an Acre sown with Dwarf Essex Rape produced 9½ Tons of Forage or at the rate of 19½ Tons per Acre.

Rape should be sown at the rate of 3 lbs. to the acre in drills and 4 to 6 lbs. per acre broadcast. It can be sown up to August. Prepaid, lb., 20c; not prepaid, lb., 10c; 5 lbs., 40c; 10 lbs., 40c; 25 lbs., \$1.75; 100 lbs., \$6.75.

## JERUSALEM CORN.

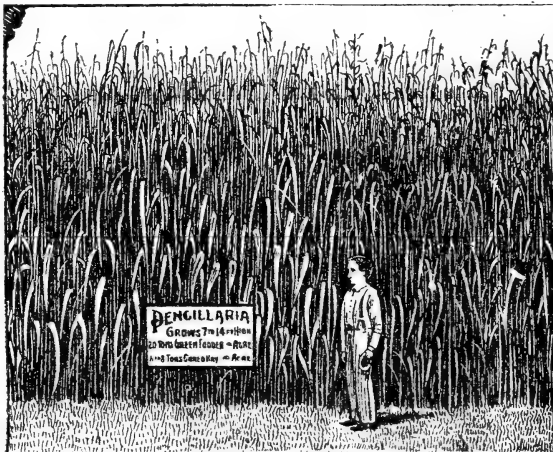
### A SURE HAY CROP.

Grows about 3 feet high, and often has as many as 8 heads on 1 stalk. 6 to 8 lbs. of seed in rows will plant an acre. Broadcast 40 lbs. per acre. Prepaid, per lb., 40c; not prepaid, per lb., 5 lbs., 35c; 16 lbs., 60c; 25 lbs., \$1.25; 100 lbs., \$4.50.



## PENCILLARIA.

A new Fodder Plant of untold value. To the farmer, for its immense growth of hay. To the dairyman, for its excellent fodder. To the Stockman, for its quick-growing forage. To the poultryman, for seed. It is a native of Central America. It is an annual plant, having broad foliage, very much resembling corn leaves. It is of rapid growth, throwing out from 1 plant numerous suckers, and if cut as soon as it reaches the height of 2 or 3 feet, it can be mowed from 4 to 6 times, according to the latitude, and yields several tons of dry hay per acre. If allowed to grow 6 or 7 feet high, and cut when



The flower heads begin to develop, it will yield the heaviest fodder crop per acre of any plant now in cultivation. For feeding it is equal to any fodder, and is relished by any kind of stock, either green or dry.

**CULTURAL DIRECTIONS.** If for Hay purposes, sow very thinly in drills 12 to 18 inches apart, dropping a seed every 6 or 8 inches or broadcast 1 lb. per acre. As a Fodder plant sow in drills 3 or 3½ feet apart, thinning out to stand 18 inches apart in the drill. When high enough cultivate the field thoroughly, as this may be the only opportunity; the growth becoming so dense that a cultivator could not be used a second time. As a Green food it will support 4 cows and other stock in proportion from the time it is 30 inches high until the end of the season. As a Seed producer it must have ample space to grow in 2 to 3 feet apart in the rows and 3 to 3½ feet between the rows. Cultivate twice. Per pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 40c, postpaid.

## RED KAFFIR CORN.

If the crop is wanted mainly for fodder, it is recommended to cut down the whole stock when the first seed heads come into bloom. The second growth springing at once from the roots, will still mature a full crop of grain and a second full crop of forage before the middle of October. Sow in rows three feet apart, six to eight lbs. of seed to the acre. Broadcast 40 lbs. per acre. Prepaid, per lb., 20c; not prepaid, per lb., 10c; 5 lbs., 30c; 10 lbs., 50c;

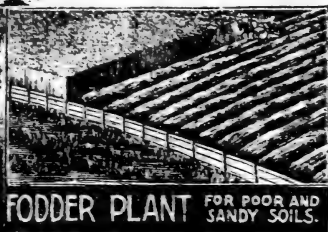
## MILO MAZE, YELLOW.

The growth is tall, 9 to 12 feet, stooping form the ground. It sends out shoots also from the joints. The seed heads grow to great size on good land, often weighing ¾ of a pound. Sow 4 to 8 lbs. in rows per acre. Broadcast, 30 to 40 lbs. per acre. Prepaid, per lb., 25c; not prepaid, per lb., 10c; 5 lbs., 30c; 10 lbs., 50c; 25 lbs., 90c; 100 lbs., \$3.00.

# FORAGE AND FODDER PLANTS.

## GIANT SPURRY.

Spurry is an annual plant, extensively cultivated in Europe as a Winter pasture for cattle and sheep. It grows so well on poor, dry, sandy soil that it has been called "the clover of sandy land." If sown in March, then again in May, and afterwards in July, it will produce three crops upon the same field in one season. Sow 15 lbs. per acre on soil fit for clover. It can be sown from March until August, and is fit for pasture in five weeks. Prepaid, per lb., 25c; 3 lbs., 65c. Not prepaid, per lb., 15c; 5 lbs., 60c; 10 lbs., 95c; 25 lbs., \$2.00; 100 lbs., \$6.90.



## AUSTRALIAN SALT BUSH.

Thousands of acres of alkali lands can be made productive and profitable by planting this valuable forage plant. One pound of seed will plant an acre. Sow after the ground has become warm and all danger of frost is past. Mix the seed with ten times its bulk of loam, sand or land plaster and sow broadcast, after which cover lightly with a brush harrow or roll lightly. Or the seed may be sown in a hot bed, cold frames, seed boxes, or in a protected garden bed, and the seedlings transplanted when two inches high, seven to eight feet apart. Prepaid, pkt., 10 cts.; oz., 20 cts.; ¼ lb., 65 cts.; lb., \$1.90.

## BROOM CORN.

**Improved Evergreen.** Grown more extensively than any other variety. Grows seven feet high. Sow 35 lbs. to the acre. Prepaid, per lb., 20 cts. Not prepaid, per lb., 10 cts.; 5 lbs. 30 cts.; 10 lbs., 50 cts.; 25 lbs., \$1.00; 100 lbs., \$3.50.

## SUGAR CANE.

**Orange.** Adapted to almost every section wherever introduced as a profitable crop for fodder, as well as for sugar making. Prepaid, lb., 20 cts. Not prepaid, 1 lb. 10c; 5 lbs. 45c; 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$3.00.  
**Early Mammoth.** Northern grown and the earliest variety known. Prepaid, lb., 20 cts. Not prepaid, 1 lb., 10 cts.; 5 lbs., 30 cts.; 10 lbs., 50 cts.; 25 lbs., \$1.00; 100 lbs., \$3.25.

## SUNFLOWER SEED.

Sunflower seed is the best egg producing food known for poultry. It can be raised cheaper than corn. Besides the great value of seed as a poultry and stock food, its leaves make capital fodder, while its strong, thick stalks can be profitably used as fuel. Three quarts of seed will plant one acre.

■ **Large Russian.** Prepaid, lb. 18c. Not prepaid, lb. 8c; 5 lbs. 30c; 10 lbs. 55c; 25 lbs. \$1.25; 50 lbs. \$2.25; 100 lbs. \$4.00.

## PEANUTS.

Plant Peanuts 12 inches apart in the row, and have the rows far enough apart to allow cultivating. As soon as ripe, turn hogs into the field and they will help themselves. Prepaid, pt., 13 cts.; qt., 20 cts. Not prepaid, pt., 10 cts.; qt., 15 cts.; 5 qts., 65 cts.; 16 qts., \$1.60; 32 qts., \$2.85.

## WILD RICE.

A valuable plant for sowing in lakes and marshes to attract water fowl. The seed should be sown during September and October, or in the early spring, as soon as the ice has disappeared. It should be scattered in water from one to three feet deep. Prepaid, per lb. 25c. Not prepaid, 1 lb. 25c; 5 lbs. \$1.15; 10 lbs. \$2.25; 25 lbs. \$5.00; 100 lbs. \$15.00.

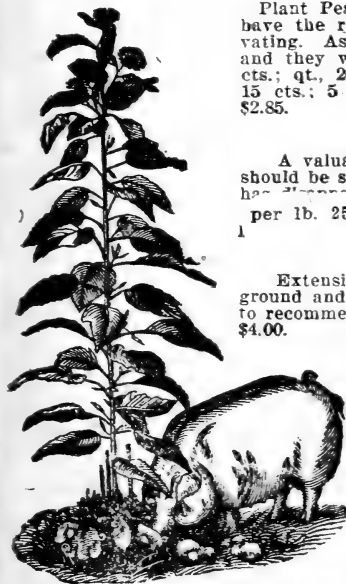
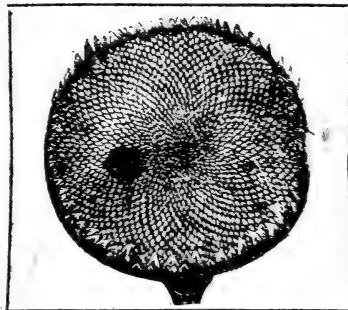
## SACCALINE.

Extensively sold as a forage plant for desert and arid regions, as well as for low ground and waste places. Few of the experiments are sufficiently productive of results to recommend or condemn Saccaline. Prepaid, pkt., 10 cts.; oz., 35 cts.; ¼ lb., \$1.25; lb., \$4.00.

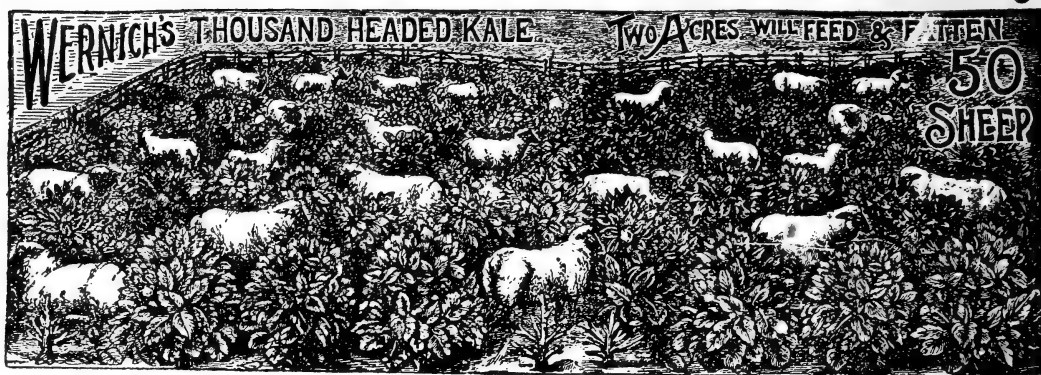
## ARTICHOKES.

On good land, with same culture as corn, Artichoke will produce from 400 to 1,000 bu. per acre. A. C. Williams, of Iowa, a very prominent breeder of Poland Chinas, says: "Forty head of hogs and pigs may be kept without other food on an acre of Artichokes from the time frost is out of the ground until they grow again, and from October 1st until the ground freezes again. They produce more hog food per acre than any other crop I am acquainted with, and the hogs will harvest the crop themselves."

**Artichokes** need planting but once, and little or no culture after the first year. Cut as potatoes, only smaller; plant in rows 3½ feet apart. Plow deep, plant shallow, say 2 inches; the second year, break up the ground as for corn; will come up thick all over the surface. Run through each way with a cultivator when a few inches high. Prepaid, lb., 25c; 3 lbs., 60c. Not prepaid, pk., 50c; 1 bu., \$1.50; bbl., 3 bu. enough for 1 acre, \$4.00.



# Miscellaneous Forage and Fodder Plants.



## THOUSAND-HEADED KALE.

**Thousand-Headed Kale** is now being grown in larger quantities than Rape in England. The seed can be sown early in April or any time thereafter until mid-summer. The plants grow to a height of 3 to 4 feet, and are so covered with small whorls of leaves that the name Thousand-Headed Kale has been given it. It will yield a larger crop than the Dwarf Essex Rape, as it branches out from the bottom and grows very rapidly. It is greatly relished by hogs, cattle and sheep. The plant is not affected by drought and flourishes in all kinds of soil. In England this seed is being sown broadcast on pastures with grass seeds, using about one pound of seed per acre, though if sown alone it should have about three pounds per acre.

### 100,000 POUNDS PER ACRE.

One of the largest sheep growers in England has this remarkable testimony for Thousand-Headed Kale. "I plant annually 100 acres of Thousand-Headed Kale for my sheep. I have repeatedly estimated a yield of 100,000 lbs. of green food per annum from one acre of Thousand-Headed Kale. Sheep will eat the plant apparently clean, when a week afterwards it is again in full glory and sheep can be turned on, and this can be repeated time and time again. I could not fatten half the number of sheep that I do without having Thousand-Headed Kale. I am probably one of the largest growers of mutton in the Kingdom, and I would not get along without Dwarf Essex Rape and Thousand-Headed Kale; in fact, I would have to go out of the business, as I could not raise sheep without these two magnificent plants."

Prepaid, oz. 5c;  $\frac{1}{4}$  lb. 12c; 1 lb. 35c. Not prepaid, 1 lb. 25c; 5 lbs. \$1.10; 10 lbs. \$2.00; 25 lbs. \$5.00; 50 lbs. \$9.50; 100 lbs. \$18.00.

## JAPANESE SOJA BEANS.

Sow in drills,  $1\frac{1}{2}$  inches deep, 3 inches apart, and 28 inches between the rows. About 12 to 16 qts. per acre if sown in drills. If broadcast for hay or forage sow 1 to  $1\frac{1}{2}$  bu. per acre. Never cultivate if leaves are wet.

**Medium Early Green.** A rank grower, stalks 3 to 4 feet high, beans small. Best for ensilage. Prepaid, pt. 20c; qt. 35c. Not prepaid, pt. 10c; qt. 20c; pk. \$1.10; bu. \$4.00.

**EXTRA EARLY BLACK.** (Purple Blossom.) This is the Soja Bean for the northern states. Grows  $2\frac{1}{2}$  to  $3\frac{1}{2}$  feet high, beans plump, large and round. Yield 50 bu. and over per acre. Prepaid, pt. 20c; qt. 35c. Not prepaid, pt. 10c; qt. 20c; pk. \$1.00; bu. \$3.75.

**Itto San.** (New.) Medium early. Stalks  $2\frac{1}{2}$  to 4 feet high with a dense foliage. Beans small, yellow and flattened. Prepaid, pt. 20c; qt. 35c. Not prepaid, pt. 10c; qt. 20c; pk. \$1.00; bu. \$3.75.

**Common Small Yellow.** The beans, roasted and ground, closely resemble and taste very much like coffee. Not recommended for the northern states. Prepaid, pt. 20c; qt. 35c. Not prepaid, pt. 10c; qt. 20c; pk. 75c; bu. \$2.50.

## VELVET BEAN, THE GREAT NITROGEN GATHERER.

### A Worthy Rival of the Cow Pea.

It is the rankest grower of any of the legumes; two or three seeds planted four feet apart in rows five feet apart will literally cover the ground two or three feet thick with a mass of foliage and vines 20 to 25 feet long, no matter how poor the soil. It leaves a mulch on the ground that is very beneficial to the soil. The Florida Experimental Station reports 16,680 lbs. of green forage per acre. Prepaid, pkg. 10c; pt. 30c; qt. 50c. Not prepaid, pt. 20c; qt. 35c; pk. \$1.50; bu. \$5.00.

## FIELD BEANS.

**Wernich's Improved Prolific Tree.** A new field variety, bearing enormous crops, reaching 60 to 80 bushels to the acre. They should be planted very thinly in rows  $2\frac{1}{2}$  feet apart. Prepaid, pt. 20c; qt. 35c. Not prepaid, pt. 10c; qt. 20c; pk. \$1.25; bu. \$3.50.

**Navy.** A well-known variety. Prepaid, pt. 20c; qt. 30c. Not prepaid, pt. 10c; qt. 15c; pk. \$1.00; bu. \$3.50.

## COW PEAS. THE GREAT SOIL IMPROVER.

Sow as early as May 10th or as late as July. One bushel to the acre broadcast.

**New Era.** This is the earliest sort and therefore adapted for the Northern States. Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 35c; 10 lbs. 60c; 25 lbs. \$1.25; 100 lbs. \$4.00.

**Whippoorwill.** Is a medium sized, kidney shaped blotched pea; is the earliest to mature, rather dwarf in growth. Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 35c; 10 lbs. 60c; 25 lbs. \$1.25; 100 lbs. \$4.00.

**Clay Colored.** These are of a clay color, peas rather round in shape, makes half vines, sometimes growing twelve feet. Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 35c; 10 lbs. 60c; 25 lbs. \$1.25; 100 lbs. \$4.00.

## FIELD PEAS.

For Dairy Cows and Hogs. Equal to Corn and Six Weeks Earlier. Can be sown separately in drill, or broadcast, 2 to  $2\frac{1}{2}$  bushels to the acre, or with Oats  $1\frac{1}{2}$  bushels to the acre.

**Canadian White.** Prepaid, pt. 15c; qt. 25c. Not prepaid, pt. 5c; qt. 10c; pk. 45c; bu. \$1.50;  $2\frac{1}{2}$  bu. \$3.65.

**Canadian Green.** Prepaid, pt. 15c; qt. 25c. Not prepaid, pt. 5c; qt. 10c; pk. 45c; bu. \$1.55;  $2\frac{1}{2}$  bu. \$3.75.

**Blue Prussian.** Prepaid, pt. 15c; qt. 25c. Not prepaid, pt. 5c; qt. 10c; pk. 50c; bu. \$1.60;  $2\frac{1}{2}$  bu. \$3.90.

## LUPINS.

Cultivated like Peas. The young plants are good for sheep. It may be sown from April to July, and succeeds well in the poorer soil.

**Blue.** Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 45c; 10 lbs. 75c; 25 lbs. \$1.85; 100 lbs. \$7.00.

**Yellow.** Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 45c; 10 lbs. 75c; 25 lbs. \$1.85; 100 lbs. \$7.00.

## LENTILS.

Cultivated like Peas. Prepaid, lb. 20c. Not prepaid, lb. 10c; 5 lbs. 45c; 10 lbs. 75c; 25 lbs. \$1.85; 100 lbs. \$7.00.



# MILLETS.

50 lbs. to bushel, except where noted. Prices subject to Market Fluctuation. Sacks extra, 20c each.

## JAPANESE {BARN} MILLET.

(Panicum Crus Galli.)

### OR BILLION DOLLAR GRASS.

Also called Steel Trust Millet.

Introduced by Prof. Brooks, of the Massachusetts Agricultural Experiment Station. Our Seed has been grown by Edw. E. Evans, whose picture appears in the upper corner of this page. This bundle of cut Millet stood 6 feet high. Since the introduction it has been sown from Maine to Washington and has given astonishing results in all sections, except in the arid and semi-arid regions of the west. It attains a height of 6 to 7½ feet with a yield of over 6 tons of cured hay per acre. Produces over 20 tons of green fodder. Cattle and horses eat it greedily. As a milk producer Crus Galli Seed has been found to equal corn meal. Our Seed is raised north of 44 deg. from absolutely pure thoroughly acclimated stock seed. Sow in May and June broadcast 10 to 12 pounds per acre; (it stools remarkably) or in drills 8 lbs. per acre. Will yield a crop in 6 to 9 weeks. Recommended by the United States Dept of Agriculture and all Experiment Stations. Prepaid. Pkz. 5c; lb. 20c; not prepaid, lb. 10c; pk. 50c; bu (22 lbs.) \$1.50; 100 lbs. \$4.50.



**Common Millet.** Very early, grows 3 to 4 ft. high. Prepaid, lb. 15c. Not prepaid, lb. 5c; 5 lbs. 20c; 10 lbs. 35c; bu. \$1.15; 100 lbs. \$2.10.

**German or Golden Millet.** Matures about two weeks later than Common Millet, grows 3 to 5 feet high, seeds golden yellow. Prepaid, lb. 15c. Not prepaid, lb. 5c; 5 lbs. 20c; 10 lbs. 35c; bu. \$1.30; 100 lbs. \$2.25.

**WERNICH'S FANCY GERMAN OR GOLDEN MILLET.** True Southern Grown German Millet Seed is far superior, both in quality and yield of product, to Western or Northern grown seed. The true Southern German Millet will grow in any climate or soil, and when properly grown and handled makes an enormous yield of most nutritious feed. To get these results, however, the seed must be sown thickly, not less than one bushel per acre, at any time between May 1st and July 15th, and the crop cut in eight to ten weeks, while it is in bloom. Prepaid, lb. 15c. Not prepaid, lb. 5c; 5 lbs. 20c; 10 lbs. 40c; bu. \$1.30; 100 lbs. \$2.50.

**SIBERIAN OR RUSSIAN MILLET.** A new Millet from Russia. Earlier than German, but does not grow as tall. Its height is only 2 to 4 feet, but it is a remarkable stooler and its fodder is eagerly eaten by all cattle. Prepaid, lb. 15c. Not prepaid, lb. 5c; 5 lbs. 20c; 10 lbs. 35c; bu. \$1.10; 100 lbs. \$2.00.



Hungarian Grass.

**Hog Millet.** A valuable variety, maturing at the same time as Hungarian Grass, producing a very heavy yield even in the driest season. At the Michigan Experiment Station trials, this proved to be an excellent sort, showing no sign at all of being affected by drouth. While recommending it for all sections, its highest comparative value will, of course, be found in those areas where corn cannot be safely or cheaply grown. Prepaid lb., 15c. Not prepaid, lb., 5c; 5 lbs. 20c; 10 lbs. 30c; bu. \$1.15. 100 lbs. \$2.35.

**Hungarian (Grass) Millet.** Medium early, grows 3 to 5 feet high, abundant foliage and slender head; withstands drouths and yields well on light soil. 45 lbs. to the bushel. Prepaid, lb., 20c. Not prepaid, lb., 10c; 5 lbs., 20c; 10 lbs. 40c; bu. \$1.00. 100 lbs. \$2.50.

**German Edible Millet.** A variety used extensively in Germany for table use. The seed is mashed and cooked in milk. Prepaid, lb., 28c. Not prepaid, lb., 18c; 10 lbs., \$1.50.

**Pearl Millet.** (Pennisetum Spicatum). The first cutting should be made when about 3 feet high; this will cause it to tiller and spread, and as the season advances and becomes warmer, it grows with marvellous rapidity. No other crop will yield as much forage as Pearl Millet when sown on richly manured land. Sow in drills, 5 to 6 lbs. per acre; if broadcast, 8 lbs. per acre. Prepaid, lb., 25c. Not prepaid, 10 lbs., \$1.25; 50 lbs., \$5.00; 100 lbs., \$9.75.

## FIELD PUMPKINS.

**Wernich's Mammoth Giant.** Grows to an immense size, sometimes three feet in length and to a weight of 100 to 200 lbs. Prepaid, lb. \$1.15; 5 lbs. \$5.00. Not prepaid, lb. \$1.05; 5 lbs. \$4.50.

**Connecticut Field.** The well known Cow Pumpkin. Prepaid, lb. 35c; 5 lbs. \$1.50. Not prepaid, lb. 25c; 5 lbs. \$1.00.

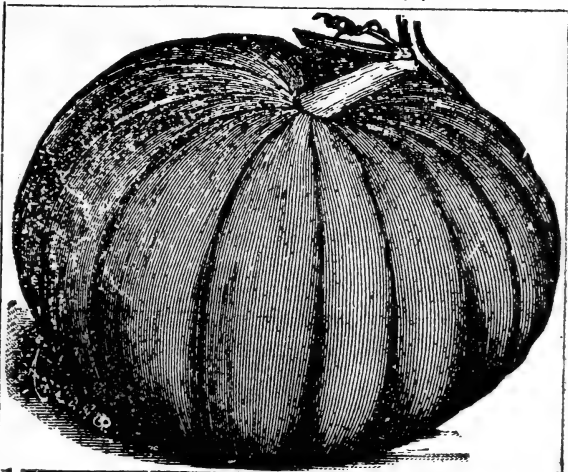
## CARROTS.

**Mastodon.** The Carrot for feeding stock. Grow to an enormous size. Yield tremendous crops. Prepaid, oz. 10c; ¼ lb. 20c; lb. 50c; 5 lbs. \$2.40. Not prepaid, lb. 40c; 5 lbs. \$1.95.

**Improved Long Orange.** This is a heavy cropper on all soil, but especially adapted for strong or rich land. Prepaid, lb. 50c; 5 lbs. \$2.40. Not prepaid, lb. 40c; 5 lbs. \$1.95.

**Improved White Belgian.** This variety is amazingly productive, and nothing can equal them as a winter feed for milch cows. Prepaid, lb. 45c; 5 lbs. \$2.15. Not prepaid, lb. 35c; 5 lbs. \$1.75.

For other varieties see page 15, Vegetable Seed Department.



Prices of Grass and Clover Seeds Subject to Market Fluctuations.

# GRASS SEEDS.

**Grass is  
King****...THE...****No Grass  
No Cattle**

## Plain Truth About Grasses

If Grass be King, then High-Grade Seed is necessary  
to make it such; therefore

### MR. FARMER!

If you pay little attention to the selection of Timothy, Clover and other grass seed, but buy from country merchants (who, however well-intentioned, seldom have sufficient expert knowledge in this matter to protect their customers), you will in a few years invariably find growing more weeds than grass.

**No Cattle****No Manure****No Manure****No Crop**

### WEIGHTS OF GRASSES

To avoid confusion, we have adopted the uniform weight of 14 lbs. to the bushel of Grass Seed, excepting where otherwise noted. Therefore when comparing our prices with those of other houses, take notice of this fact, as they sell according to stroke measure weight, thus they give 7 lbs. of Meadow Foxtail for a bushel and figure the price that way. Whereas we give 14 lbs. to the bushel and charge accordingly.



Sweet Vernal.



Orchard Grass.

### BERMUDA GRASS.

Not known in the North, but an excellent variety for warm Southern country. The seed is hard to harvest, therefore expensive. Per pkt. 5c; oz. 10c; ¼ lb. 20c; 1 lb. 75c; 5 lbs. \$3.00.

### BROMUS MOLLIS.

(Soft Brome Grass.) Grows on any soil. It flowers in June. Largely used in Europe. By many considered a weed, others disputing this by claiming it to be a valuable addition to the already well known varieties. Prepaid, lb. 25c; not prepaid, lb. 15c; bu. \$1.65; 100 lbs. \$10.50.

### CANADA BLUE GRASS.

(Poa Canadensis.) An excellent variety for pasturage. Prepaid, per lb. 25c; not prepaid, lb. 15c; bu. (14 lbs.) \$1.40; 100 lbs. \$8.75.

### CREeping BENT.

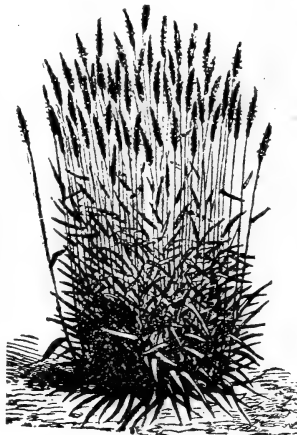
(Agrostis Stolonifera.) Nothing better for deep, rich and moist soils. Valuable for pasturage. Prepaid, per lb. 35c; not prepaid, per lb. 25c; bu. (14 lbs.) \$3.35; 100 lbs. \$19.50.

### CRESTED DOGTAIL.

(Cynosurus Cristatus.) Withstands drought and does well on dry land. Either for pasture or lawn purposes. Prepaid, per lb. 45c; not prepaid, lb. 35c; bu. (14 lbs.) \$1.50; 100 lbs. \$31.50.

### ENGLISH RYE GRASS.

(Lolium Perenne.) One of the best varieties for permanent pastures and meadows. Prepaid, per lb. 20c; not prepaid, per lb. 10c; bu. (14 lbs.) \$1.35; 100 lbs. \$7.50.



### FINE LEAVED FESCUE.

(Festuca Ovina Tenuifolia.) The finest bladed grass valuable only for lawns and pastures. Prepaid, lb. 35c; not prepaid, lb. 25c; bu. (14 lbs.) \$3.00; 100 lbs. \$20.00.

### HARD FESCUE.

(Festuca Duriuscula.) Excellent variety for dry soils, and in appearance similar to Sheep Fescue. Prepaid, lb. 25c; not prepaid, lb. 15c; bu. (14 lbs.) \$1.40; 100 lbs. \$9.50.

### ITALIAN RYE GRASS.

(Lolium Italicum.) Good for any soil. Immense yielder. Prepaid, lb. 20c; not prepaid, lb. 10c; bu. (14 lbs.) \$1.30; 100 lbs. \$7.25.

### JOHNSON GRASS.

(Sorghum Halpense.) For Southern States this is the best variety. It will stand great heat and severe drouth and is liked well by all kinds of stock. Prepaid, per lb. 25c; not prepaid, lb. 15c; bu. (25 lbs.) \$2.50; 100 lbs. \$8.90.

### KENTUCKY BLUE GRASS.

(Poa Pratensis.) Better known as June Grass. It is adaptable to all climates and almost all soils as an excellent pasturage and lawn grass.

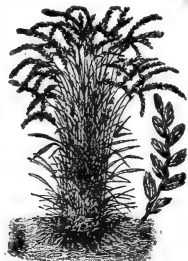
**Wernich's Extra Fancy.** Lb. 35c, prepaid. Not prepaid, lb. 25c; bu. \$3.00; 100 lbs. \$19.50.

**Fancy.** Lb. 30c, prepaid. Not prepaid, lb. 22c; bu. \$2.65; 100 lbs. \$17.75.

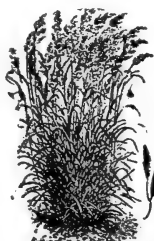
Common. Market price.



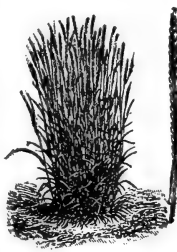
Creeping Bent.



English Rye.



Hard Fescue.



Dog's Tail.



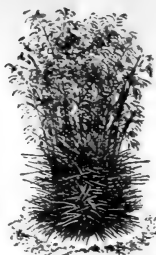
Fowl Meadow.



Italian Rye.



Rough Stalked Meadow.



Wood Hair.



Wood Meadow.



Sheep's Fescue.



Tall Fescue.

### MEADOW FESCUE.

(*Festuca Pratensis*.) This variety should not fail to be in all permanent pastures.

No. 1 Fancy—Prepaid, lb. 20c. Not prepaid, lb. 10c; bu. \$1.30; 100 lbs. \$3.75.

### MEADOW FOXTAIL.

(*Alopecurus Pratensis*.) A perennial valuable for permanent pastures.

Fancy No. 1—Prepaid, lb. 55c. Not prepaid, lb. 45c; bu. (14 lbs.) \$5.60.

No. 2—Prepaid, lb. 40c. Not prepaid, lb. 30c; bu. \$3.75.

### ORCHARD GRASS.

(*Dactylis Glomerata*.) This is the best and one of the earliest pasture grasses known.

Recleaned No. 1—Northern grown seed. Prepaid, lb. 30c. Not prepaid, lb. 20c; bu. (14 lbs.) \$2.25; 100 lbs. \$14.75.

Common No. 2—Good seed, but contains some English Rye Grass. Prepaid, lb. 25c. Not prepaid, lb. 15c; bu. (14 lbs.) \$2.10; 100 lbs. \$14.00.

### RED FESCUE.

(*Festuca Rubra*.) A good variety for pasture, also used for lawns. Hardy and withstands drought. Prepaid, lb. 35c. Not prepaid, lb. 25c; bu. (14 lbs.) \$2.95; 100 lbs. \$20.65.

### RED TOP.

(*Agrostis Vulgaris*.) One of the best known varieties, adaptable for almost any kind of soil.

Fancy No. 1—Recleaned seed. Prepaid, lb. 30. Not prepaid, lb. 20c; bu. (14 lbs.) \$2.10; 100 lbs. \$12.50.

Fancy No. 2—Contains a little chaff. Prepaid, lb. 25c. Not prepaid, lb. 15c; bu. (14 lbs.) \$1.65; 100 lbs. \$10.25.

Chaff or Common—Such as is sold in feed stores. Prepaid, lb. 20c. Not prepaid, lb. 10c; bu. (14 lbs.) \$1.25; 100 lbs. \$6.25.

### ROUGH STALKED MEADOW.

(*Poa Trivialis*.) Used mostly on low damp soils. Prepaid, lb. 40c. Not prepaid, lb. 30c; bu. (14 lbs.) \$3.95; 100 lbs. \$27.50.

### SHEEP'S FESCUE.

(*Festuca Ovina*.) A favorite variety for sheep pasturage. Withstands drought.

Fancy No. 1—Prepaid, lb. 25c. Not prepaid, lb. 15c; bu. (14 lbs.) \$1.55; 100 lbs. \$9.50.

No. 2—Prepaid, lb. 20c. Not prepaid, lb. 12c; bu. (14 lbs.) \$1.40; 100 lbs. \$8.50.



Meadow Foxtail.



Blue Grass.



Water Meadow.



Yellow Oat.

### SWEET VERNAL ANNUAL.

(*Anthoxanthum Puelli*.) Used in all meadows and pastures. Owes its name to its sweet odor when in bloom. Prepaid, lb. 25c. Not prepaid, lb. 15c; bu. (14 lbs.) \$1.75; 100 lbs. \$10.50.

### SWEET VERNAL PERENNIAL.

(*Anthoxanthum Odoratum*.) A good variety for use in all permanent meadows and pastures. Prepaid, lb. 75c. Not prepaid, lb. 65c.

### TALL FESCUE.

(*Festuca Elation*.) A good producing variety on low lands. Prepaid, lb. 40c. Not prepaid, lb. 30c; bu. (14 lbs.) \$3.75; 100 lbs. \$25.00.

### TALL MEADOW OATS.

(*Avena Elation*.) A rapid grower and an abundant yielder. Ought to be in all permanent meadows. Prepaid, lb. 35c. Not prepaid, lb. 25c; bu. (14 lbs.) \$2.75; 100 lbs. \$17.75.

### WATER FESCUE.

(*Glyceria Fluitans*.) Like the following variety in that it is valuable for improving marshes and low lands in general. Mixed with Water Meadow, Fowl Meadow, and Rough Stalked Meadow, it produces a fine quality of hay. Prepaid, lb. 40c. Not prepaid, lb. 30c; bu. (14 lbs.) \$4.00; 100 lbs. \$27.50.

### WATER MEADOW.

(*Poa Aquatica*.) Of great value for low land, which is more or less under water at times, and where other grasses don't catch or are drowned out. Grows rank and coarse, still it is nutritious and is well liked by cattle. Prepaid, lb. 40c. Not prepaid, lb. 30c; bu. (14 lbs.) \$4.00; 100 lbs. \$27.50.

### WOOD HAIR GRASS.

(*Aira Flexuosa*.) Is hardy and also grows in the driest regions. Does as well in shady places. It is not much value for hay. Prepaid, lb. 25c. Not prepaid, lb. 15c; bu. (14 lbs.) \$1.95; 100 lbs. \$11.50.

### WOOD MEADOW.

(*Poa Nemoralis*.) A good variety for pasturage in shady places. Also a good variety for shady lawns. Prepaid, lb. 50c. Not prepaid, lb. 40c; bu. (14 lbs.) \$6.30; 100 lbs. \$37.00.

### YELLOW OAT GRASS.

(*Avena Flavescens*.) An excellent variety for pasture and meadows. Prepaid, lb. 75c. Not prepaid, lb. 65c.

2 TO FOUR CUTS PER ACRE.

BROMUS  
INERMISHUNGARIAN  
BROME

4 TO 7 TONS PER ACRE.

## BROMUS INERMIS

OR

## AWNLESS BROME GRASS.

## REPORTS OF EXPERIMENT STATIONS.

Mr. J. H. Sheppard, Professor of Agriculture, N. D. Agricultural College, Fargo, writes on Nov. 15, 1899:

"As pasturage it is preferred to timothy by the cattle, as shown by a trial, where it was fed off more closely than timothy in the same pasture. It has the advantage of being early and being green until late in the fall. The fact that the Bromus inermis resists drouth better than other cultivated grasses, greatly adds to its value in the Northwest. The eagerness with which it is sought by stock leads me to believe that it is of as much value as timothy for hay and pasturage, and that the hay is as valuable, ton for ton."

Mr. S. W. Bedford, Supt. of Experimental Farm at Brandon, Manitoba, writes on Nov. 9, 1899:

The Bromus inermis has done exceedingly well on the farm here, both on high and low land. Even on our gravelly soil and the tops of hills it has given us a fair return, while on the rich, alluvial soil it has yielded us a very heavy crop indeed, exceeding four tons of dry hay to the acre during the past year. It gives us a very much larger return than timothy, and cattle prefer it to any other hay we have tested here. We have tested its feeding value, both to dairy cattle and for feeding steers, and find that it gives us much better results than any other class of hay."

## Positively Drouth Defying and Frost Resisting.

Will stand the extremes of heat, cold and drouth. It yields enormous crops of splendid hay and affords early and abundant pasturage. It adapts itself to almost every condition of soil and climate,

and to any use to which grass may be put, equalling in quality and rivaling in yield almost every other grass. It is no longer an experiment but a thoroughly established success. Will do as well in Canada as it does in the South, growing with a rapidity that is wonderful and producing heavy crops of hay and luxuriant pasturage. All kinds of stock eat it greedily, and by actual tests it has been found that it is exceedingly rich in flesh-forming ingredients. The seed should be sown as early in the spring as the ground can be worked.

Our Seed is the best to be obtained. If you don't believe it, send for a free sample and test it.

## PRICES.

No. 1. (Imported.) Prepaid; lb. 25c; not prepaid, lb. 15c; bu. \$1.90; 100 lbs. \$13.00.

No. 2. (American.) Prepaid; lb. 20c; not prepaid, lb. 12c; bu. \$1.55; 100 lbs. \$10.00.



## TIMOTHY.

(Phleum Pratense.)  
Northern Grown.

We wish we could talk to you personally, Mr. Farmer, instead of writing about the excellent quality of our Fancy No. 1 Timothy, we offer you. Ours is not the common grade as usually sold by your local merchant, who buys in open market seed which has not been cleaned, and very often containing weeds, which cause more damage than what the difference in cost would have been had the buyer purchased our Northern Grown Seed in the first place. Send for a sample of our Timothy and compare it with that of your local merchant or Seed Dealer.

Fancy No. 1. Tests 100 per cent. Prepaid, lb. 20c; not prepaid, lb. 10c; peck 75c; bu. (45 lbs.) \$2.85; 100 lbs. \$5.75.

Choice. Lb. 20c, prepaid. Not prepaid, lb. 10c; peck, 65c; bu. \$2.60; 100 lbs. \$5.25.

Common. Market price.

## TURKESTAN ALFALFA.

(Medicago Sativa Var. Turkestanica.)

Perfectly hardy, withstands drouth, heat and cold. It is a native of Russia Turkestan and was discovered by Prof. N. E. Hansen while on an exploring expedition in that country for the Department of Agriculture, Washington. The climate of Turkestan is not unlike that of our interior states, being far removed from the ocean and surrounded by wide expanses of dry land. The summers are very hot and long, and in many places the evaporation exceeds the quantity of moisture that has fallen during the year. The inhabitants are principally engaged in Stock Raising, and here it is that this valuable new addition to our Clover family grows and flourishes.

## WITHSTANDS EXTREME COLD WITHOUT INJURY.

At the experimental Station, Brookings, So. Dakota, with a minimum temperature of 40 degrees below zero, the ground bare, common Alfalfa was killed, while

## TURKESTAN CAME THROUGH UNHARMED.

At the Wyoming Experiment Station the Turkestan Alfalfa was exposed to a minimum temperature of

## 45 DEGREES BELOW ZERO WITHOUT HARM.

We cannot impress upon you, Mr. Farmer, too strongly, to give Turkestan Alfalfa a trial this year. Order early, as the supply is limited. Prepaid, pkt. 10c; lb. 35c; 3 lbs. \$1.00. Not prepaid, lb. 25c; peck \$3.15; bu. \$11.40; 100 lbs. \$18.50.





# THE CLOVER FOR SANDY SOILS. SAND LUCERNE

MEDICAGO FALCATO-SATIVA.



Enormous Crops  
7 Tons HAY Per Acre

UNQUESTIONABLY  
THE  
GREATEST  
OF ALL THE VARIETIES OF  
ALFALFA

AND CERTAINLY THE GREATEST  
HAY-PRODUCING CLOVER  
EVER INTRODUCED.

## SAND LUCERNE THRIVES WHERE CLOVER FAILS.

It withstands the severest winters and resists the worst drouth where once established. It is a positive drouth resister and cannot be winter killed. It can be cut 3 to 6 times a season, depending on soil and climate.

## JUST THE CLOVER NEEDED.

For the arid Plains of the West; the Sandy Soil of Michigan; the Cold Climate in the North, and the Hot and Dry Summer of the South.

Extract from Bulletin No. 198. "Report of Michigan Experiment Station."

Sand Lucerne is a leguminous, perennial plant, resembling Alfalfa. It develops an immense root system, and is capable of producing four crops of hay annually on high, sandy soil without irrigation. The best seedlings are obtained by sowing alone, on well prepared ground, in early May, using about 15 lbs. of seed per acre. No crop is expected the first year, but two or three mowings, with the knives set high to destroy weeds, is advisable. The

strength and productiveness of the plant improve with age, and one good seeding ought to last many years. It withstands the severe climate of Michigan when grown on dry, sandy land. The tests on low and heavy clay lands are not yet completed. To make the best quality of hay it should be cut as soon as the blossoms appear, and in curing it should be handled in the field as little as possible, to avoid the loss of leaves. The yield of cured hay per acre in 1902 from seeding made in 1897 was as follows:

June 12th, 4318 lbs. per acre.  
July 24th, 4717 lbs. per acre.  
August 25th, 3000 lbs. per acre.

A total of 12,035 pounds, or 6 tons, of hay per acre. This same plot of sandy soil produced in 1898, three crops with a total of 6,800 pounds; in 1899, four crops, 10,580 pounds; in 1900, four crops, 12,310 pounds; in 1901, four crops, 13,861 pounds. A grand total of

**55586 POUNDS EQUAL TO 27 1/4 TONS of Cured Hay Per Acre in 5 Years.**

And this on land that had received no fertilizer of any kind since the seed was sown.

## IT CAN'T BE BEAT

for a hay crop, and as for green forage hay or pasture, its close resemblance to common Alfalfa argues for it all that is claimed for the latter. Attaining mature growth early in June, one can easily manage it for a continuous soiling crop throughout the growing season. As hay it is relished by all farm animals; its high protein contents suggesting it as a substitute for part of the grain ration. As a pasture crop, one trial with sheep showed it capable of furnishing a liberal supply of feed throughout the season, and that the plant was able to withstand severe pasturing. Like the Alfalfa the Sand Lucerne is a deep rooted perennial plant, sending its tap roots to distances of 12 to 15 feet and over, into the ground with numerous large branching roots, which seem to increase and multiply as the plant grows older. In the fall of 1899 some two-year-old plants were traced, in light sandy soil, to the depth of seven and one-half feet, where the tap root was one-eighth of an inch in diameter. It has the special advantage over the Alfalfa of being able to withstand the severe winters and climate of northern Michigan, while the Alfalfa is very easily killed out. It is also said that Alfalfa is liable to be crowded out by the June grass, sorrell and other weeds. At the Michigan State experiments, no difficulty of this nature has been noticed with Sand Lucerne.

## CULTURE.

Sow at the rate of 15 lbs. per acre. The ground should be carefully prepared early in the spring, by thorough deep plowing, followed by the roller, unless the ground is a clay loam. Follow up with a harrow sufficiently to prepare a good seed bed as for wheat or corn. The seed should then be sown early enough in the spring, say about May 1st to 15th, to give it the benefit of spring moisture. In harvesting the crop, care must be taken to cut as soon as the blossoms appear, or the plants might get to mature and thus become woody and valueless.

## PRICES.

Postpaid per lb., 35 cts.; 3 lbs., \$1.00. Not prepaid, per lb., 25 cts.; peck, \$3.45; bu., \$12.60; 100 lbs., \$20.15.

**WARNING:** Certain Seed Dealers are offering Sand Lucerne at such a ridiculous low figure that we doubt the genuineness of the seed; in fact, we are convinced it is not genuine, for when one of them was asked to guarantee his Seed to be true to name, he positively refused and had no excuse to offer for doing so. This, we think, is ample proof that he was offering ordinary Alfalfa for genuine Seed, as the Seed looks almost alike.

# RECLEANED CLOVER SEED

To every 2 bushels or less add 21c for new bag. Prices subject to variation. Special quotations for large quantities.

When buying Clover Seed, price should cut no figure with the farmer. What he wants is good seed. We have it, and its better than good. Our prices are right, too. Send for samples.



## ALSIKE OR SWEDISH.

(Trifolium Hybridum.)

Hardy, yields enormously and can be cut several times a year. Adapted to either high or low land.

**Fancy No. 1**—Northern grown seed. Prepaid, lb. 35c. Not prepaid, lb. 25c; pk. \$2.75; bu. \$10.80; 100 lbs. \$17.50.

**Common No. 2**—The kind such as is usually sold in flour and feed stores. Prepaid, lb. 30c. Not prepaid, lb. 20c; pk. \$2.50; bu. \$10.00; 100 lbs. \$16.50.

## BOKHORA OR SWEET.

(Melilotus Alba.)

Of little value, except as a pasture for bees. can also be used as a fertilizer. Prepaid, lb. 30c. Not prepaid, lb. 20c; pk. \$2.75; bu. \$10.50; 100 lbs. \$17.50.

## CRIMSON.

(Trifolium Incarnatum.)

An annual variety, mostly used in the south, where it can be sown in the fall with success, but if sown in the North, not before spring. It produces enormously. Prepaid, lb. 25c. Not prepaid, lb. 15c; pk. \$1.50; bu. \$5.50; 100 lbs. \$8.75.

## WERNICH'S "IDEAL" RED CLOVER.

Heat Won't Kill It. Frost Won't Kill It.

It is an undisputed and acknowledged fact that Medium Red or June Clover is by far the most important of all Clovers for practical purposes. Experience, however, has proven that it suffers easily from drought and frost, which has been more noticeable the last few years in our Northern climate on account of our hot and dry summers and severe winters. Drought and frost will not easily affect the **Wernich's Ideal Red Clover**, which has proven to be more **Drought Defying and Frost Resisting**.

It has become so widely known for its purity, strong vitality, hardiness, vigorous and healthy growth, and stooiling qualities, that we now receive orders from all over the United States and Canada where clover is sown. The seed we offer is grown in the north, thus selling only seed that is thoroughly acclimated. The blossoms when full grown are larger and contain more seed when thoroughly ripe than those of the ordinary Red Clover. Its roots penetrate deeper, thus producing more vitality to the plant and giving it more sturdiness and growth and resisting powers. Prepaid, lb. 35c. Not prepaid, lb. 25c; pk. \$3.15; bu. \$12.30; 100 lbs. \$19.85.

## MEDIUM RED OR JUNE.

(Trifolium Pratense.)

**Fancy No. 1**—Fancy re-cleaned. Northern grown seed. Although this is the best to be had, we do not class it with our matchless Ideal Red. Prepaid, lb. 30c. Not prepaid, lb. 20c; pk. \$2.75; bu. \$10.85; 100 lbs. \$17.95.

**Common Red No. 2**—Prepaid, lb. 25c. Not prepaid, lb. 20c; pk. \$2.65; bu. \$10.20; 100 lbs. \$16.75.

## MAMMOTH RED.

(Trifolium Pratense Perenne.)

Grows almost again as large as Red Clover, and often catches where other clovers fail.

**Fancy No. 1**—Re-cleaned. Prepaid, lb. 30c. Not prepaid, lb. 20c; pk. \$2.75; bu. \$10.85; 100 lbs. \$17.95.

**Common No. 2**—Prepaid, lb. 30c. Not prepaid, lb. 20c; pk. \$2.65; bu. \$10.20; 100 lbs. \$16.75.

## JAPAN.

(Lespedeza Striata.)

A low-spreading perennial, much like White Clover, of great value in Southern States. Flourishes on the poorest soils and withstands drought. Prepaid, lb. 40c. Not prepaid, lb. 30c; peck \$1.75; bu. (25 lbs.) \$6.25.

## ALFALFA OR LUZERNE.

(Medicago Sativa.)

**The Great Drought and Frost Resister. Produces 3 to 5 Cuttings a Year.**

A perennial clover-like plant growing from 2 to 3 feet high, adapted especially to dry climates and soils. It resembles clover in habit of growth and feeding value, but withstands drought much better. Alfalfa thrives on sandy loam, making rapid early growth, and yielding immense crops, nutritious food for cattle. When once established it furnishes each season from 3 to 5 cuttings of forage which cures into excellent hay. It gathers largely of nitrogen from the air and lower soil, and is therefore very valuable in rotations as a soil enricher. Sow from 15 to 25 lbs. per acre.

**Wernich's "Ideal" Alfalfa.** This seed is extremely hardy and we recommend only this seed for our Northern climates. Prepaid, lb. 30c. Not prepaid, lb. 20c; pk. \$2.85; bu. \$10.80; 100 lbs. \$17.50.

**American Alfalfa.** Prepaid, lb. 30c. Not prepaid, lb. 20c; peck \$2.65; bu. \$10.15; 100 lbs. \$16.50.

**Turkestan Alfalfa.** See page 52.

**Sand Lucerne.** See page 53.

PRICES OF GRASS AND CLOVER SEED SUBJECT TO MARKET FLUCTUATIONS.

# RECLEANED CLOVER SEED

Prices of Clover and Grass Seeds Subject to Market Fluctuations.

To every 2 bushels or less add 21c for new bag.

Special quotations for large quantities.

When buying Clover Seed, price should cut no figure with the farmer. What he wants is good seed. We have it, and its better than good. Our prices are right, too. Send for Samples.

## WHITE CLOVER.

(Trifolium Repens.)

Used for lawns and pastures.

**Fancy No. 1.** Recleaned. Northern grown. Prepaid, lb. 30c. Not prepaid, lb. 20c; pk. \$2.75; bu. \$10.20; 100 lbs. \$16.75.

**Common No. 2.** Mixed with a little Alsike. Prepaid, lb. 30c. Not prepaid, lb. 20c; pk. \$2.25; bu. \$8.70; 100 lbs. \$14.50.

## YELLOW OR HOP.

(Medicago Lupulina.)

Also called Monthly Clover. Very little known here. Grown more extensively and better known in Germany. It derives its name "Monthly" because it can be cut three or more times a season. Culture like Red Clover. Prepaid, lb. 25c. Not prepaid, lb. 15c; pk. \$2.00; bu. \$6.25; 100 lbs. \$9.50.

## SAINFOIN OR ESPARSETTE.

(Onobrychis Sativa.)

Known in Europe as one of the best fodder and hay producing plants. The roots penetrate the ground to a great depth and like the Luzerne, when once rooted, will yield enormously and can be cut twice a year. Prepaid, lb. 25c. Not prepaid, lb. 15c; pk. 60c; bu. (22 lbs.) \$2.10; 100 lbs. \$8.50.

## SERADELLA.

(Hedysarum Onobrychis.)

Especially valuable during the hot dry months of summer. Prepaid, lb. 25c. Not prepaid, lb. 15c; pk. 90c; bu. (36 lbs.) \$2.10; 100 lbs. \$8.50.

# Wernich's Special Grass Mixtures

## FOR PERMANENT MEADOWS AND PASTURES.

Why are our Clover-Grass Mixtures best Adapted for Permanent Pastures and Meadows and how can these be best obtained.

It is a well established fact that a judiciously selected mixture of several varieties of Grass and Clover Seeds will produce a much larger yield—generally again as much per acre than can be obtained with only one or two kinds sown alone. In sowing a larger variety you are not running the risk of not securing a stand at all as you would by sowing one or two kinds only, for in a larger variety there must be at least several kinds of grasses adapted to your soil, while if you sow one kind this may not be at all adapted and consequently no result. A pasture with a variety of grasses and clover is again as productive and earlier than if but one kind of grass is used, and can also be pastured throughout the season, as most grasses used are deep-rooted and are extremely drought-resisting.

Many varieties sown together for a meadow or for hay cover the ground very closely and a larger yield of hay of much better quality can always be obtained from a mixed meadow. What we have said above in regard to grasses being deep-rooted and drought-resisting, also applies to the grasses we use for permanent meadows.

In a great many parts of the country only one or two kinds of grasses are known and mostly sown and these are Timothy and Clover. While Timothy is a splendid Grass, and Clover the foundation of all successful farming, both are not permanent, and not well adapted for pasturing alone, as they are easily affected by drought or frost, thereby making it necessary to re-sow every year or two—a rather expensive method. In our carefully selected Clover-Grass Mixture several varieties of the Natural Grasses are sown together, and these will cover the ground very closely and make three spears of grass grow where formerly but one grew; besides, these Clover-Grass Mixtures will stand various climatic and soil conditions better, will last longer or be permanent, and yield at least double the quantity of hay that is secured from ordinary fields sown with Timothy and Clover.

SOW 25 TO 30 LBS. PER ACRE.

## A—MIXTURES FOR PERMANENT MEADOWS.

### No. 1 For High and Dry Land, Rather Light Poor Soil.

Meadow Fescue	English Rye	Mammoth Clo'r
Red Fescue	Sweet Vernal	Red Clover
Crested Dogtail	Canada Blue	Alfalfa
Orchard Grass	Red Top	Timothy

**Price** Lb. 15c; 25 lbs. \$3.20; 50 lbs. \$6.25; 100 lbs. \$12.00.

### No. 3. For Low and Moist Land, Good and Rich Soil.

Mead'w Foxtail	Sweet Vernal	Tall Mead. Oat
Orchard Grass	Meadow Fescue	Alsike
Red Top	Canada Blue	Timothy

**Price** Lb. 15c; 25 lbs. \$3.50; 50 lbs. \$6.50; 100 lbs. \$12.75.

### No. 5. For Wet Bottom Land. Land Occasionally Overflowed.

Tall Fescue	Meadow Fescue	Kentucky Blue
English Rye	Canada Blue	Alsike
Mead'w Foxtail	Red Top	Timothy

**Price** Lb. 15c; 25 lbs. \$3.50; 50 lbs. \$6.50; 100 lbs. \$12.75.

### No. 2. For High and Dry Land, Heavy or Rich Soil.

Tall Mead. Oat	Canada Blue	Sweet Vernal
Orchard Grass	Kentucky Blue	Red Clover
English Rye	Red Top	Alsike Clover
English Blue	Italian Rye	Timothy

**Price** Lb. 15c; 25 lbs. \$3.20; 50 lbs. \$6.25; 100 lbs. \$12.00.

### No. 4. For Peat and Boggy Land. Marshy and Sticky Soil.

English Rye	Red Top	Red Clover
Mead'w Foxtail	Canada Blue	Alsike Clover
Meadow Fescue	Kentucky Blue	Timothy

**Price** Lb. 15c; 25 lbs. \$3.50; 50 lbs. \$6.25; 100 lbs. \$12.25.

### No. 6. For Marsh and Swamps. Low Land Under Water.

Water Meadow	English Rye	Creeping Bent
Water Fescue	Red Top	Canada Blue
Tall Fescue	Meadow Fescue	Alsike Clover

**Price** Lb. 18c; 25 lbs. \$4.25; 50 lbs. \$8.00; 100 lbs. \$15.75.

## B—MIXTURES FOR PERMANENT PASTURES.

A good pasture is a necessity on every farm. It should be permanent and the grasses used should be early, medium and late, so as not to mature all at the same time, thus furnishing continuous grazing the entire season. Such varieties should be used that are good sod formers. Our Mixtures are composed of such grasses.

### No. 7. For High and Dry Land. Rather Light Poor Soil.

Red Top	English Rye	Red Clover
Hard Fescue	Cres'd Dogstail	White Clover
Red Fescue	Canada Blue	Alsike
Orchard Grass	Meadow Fescue	Alfalfa

Price Lb. 15c; 25 lbs. \$3.20; 50 lbs. \$6.25; 100 lbs. \$12.00.

### No. 9. For Low and Moist Land. Good and Rich Soil.

Soft Meadow	Rough S. Mead.	English Rye
Kentucky Blue	Creeping Bent	Timothy
Tall Fescue	Fowl Meadow	Red Clover
Red Top	Italian Rye	Alsike

Price Lb. 15c; 25 lbs. \$3.50; 50 lbs. \$6.25; 100 lbs. \$12.25.

### No. 11. For Marshy and Swampy Land. Land Under Water.

Water Meadow	Water Fescue	Canada Blue
Tall Fescue	Creeping Bent	Kentucky Blue
Meadow Soft	Red Top	Leaved Fescue
English Rye	Meadow Fescue	Alsike

Price Lb. 15c; 25 lbs. \$3.50; 50 lbs. \$6.75; 100 lbs. \$12.50.

### No. 8. For High and Dry Land. Rich and Heavy Soil.

Kentucky Blue	Tall Mead. Oat	Red Clover
Orchard	Red Fescue	White Clover
English Rye	Canada Blue	Alsike
Italian Rye	Mead. Foxtail	Timothy

Price Lb. 15c; 25 lbs. \$3.20; 50 lbs. \$6.25; 100 lbs. \$12.00.

### No. 10. For Peat and Boggy Land. Marshy and Sticky Soil.

Mead. Foxtail	Rough S. Mead.	Red Top
Meadow Fescue	Tall Fescue	Canada Blue
Creeping Bent	Kentucky Blue	Italian Rye
Fowl Meadow	English Rye	Alsike

Price Lb. 15c; 25 lbs. \$3.50; 50 lbs. \$6.75; 100 lbs. \$12.25.

### No. 12. For Orchards or Shady Places. Good or Poor Soil.

Wood Hair	Wood Meadow	Tall Mead. Oat
Orchard	Red Top	English Rye
Kentucky Blue	Canada Blue	White Clover
Cres'd Dogstail	Sweet Vernal	Alsike Clover

Price Lb. 14c; 25 lbs. \$3.40; 50 lbs. \$6.50; 100 lbs. \$12.50.

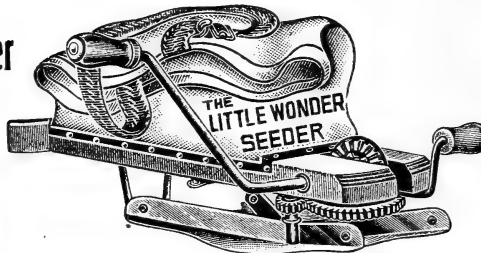
GET A  
Cahoon's

### Broadcast Seed Sower

FOR NOTHING.



Broadcasts 16 to 40 ft. wheat, rye, oats, barley, timothy, clover, millet, etc. Price, \$2.75, or free with every purchase of Grass Mixtures to the amount of \$30.00.



Price, \$1.00.

Or free with every purchase of Grass Mixtures to the amount of \$15.00.

We do not give these premiums on Grass and Clover Seed ordered separately.

Get a Thompson's  
Wheelbarrow Seeder  
for Nothing.



Sows clover, timothy, millet, alfalfa, flax, grain, etc. Sows 40 to 60 acres a day. Weight 40 lbs. Price, \$7.25, or free with every purchase of our Grass Mixtures to the amount of \$100.00.

## WERNICH'S LAWN GRASS MIXTURES.

### HOW TO SECURE A GOOD LAWN.

The principal features to secure a good lawn are: First, a rich, well drained soil; second, careful preparation of the ground, making it as fine, smooth and mellow as possible; third, a wise selection of seeds; fourth, sowing at such a time as to give the young plant time to become well established before being subject to very dry or very cold weather. Seeding may be done in spring or fall. If done during the hot months of summer, the ground must be kept moderately moist when sowing is done. With the ground prepared well, let the surface be gone over with a fine rake, and the seed evenly scattered, after which carefully rake or brush the seed in and follow with a roller.

The Special Mixtures here offered have been prepared with a view of overcoming difficulties that have hitherto existed in getting grass to grow on steep slopes, in the shade, etc., where the grasses ordinarily used would not succeed.

### SEED REQUIRED.

25x25 feet, or 625 square feet.....1 pound  
50x50 feet, or 2,500 square feet.....1 peck

### Wernich's "Fine Mixed" Lawn Grass.

A mixture containing cheaper grades of grass seeds than our "Peerless Lake Park Mixture." Prepaid, ½ lb. 15c; lb. 30c; pk. 95c. Not prepaid, ½ lb. 10c; lb. 20c; pk. (3½ lbs.) 65c; bu. (14 lbs.) \$2.50; 4 bu. \$9.00; 100 lbs. \$17.50.

### Wernich's "Lake Park" Lawn Grass.

This excellent mixture is composed of only the finest Dwarf Growing Recleaned Grass Seeds, mixed in proportion. This mixture is the same as is used in our Milwaukee Public Parks. Prepaid, ½ lb. 20c; lb. 35c; pk. \$1.10. Not prepaid, ½ lb. 15c; lb. 25c; pk. (3½ lbs.) 80c; bu. (14 lbs.) \$3.00; 4 bu. (enough for 1 acre) \$11.00; 100 lbs. \$20.00.

### "Terrace Sod" Lawn Grass.

A special mixture of grass best suited for sowing on terraces, railroad embankments and side

100x100 feet, or 10,000 square feet.....1 bushel  
Per Acre .....4 bushel

hills—grasses that produce strong spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure, thrive on shallow soils, and at the same time produces a rich, velvety green turf throughout the season. Prepaid, ½ lb. 20c; lb. 40c; pk. \$1.25. Not prepaid, ½ lb. 30c; pk. (3½ lbs.) \$1.00; bu. (14 lbs.) \$5.00; 4 bu. \$18.00; 100 lbs. \$32.00.

### "Shady Nook" Lawn Grass.

On nearly all lawns there are unsightly bare spots, under the shade trees, which have baffled all efforts to get into grass, but with this mixture there need be no further difficulty. Prepaid, ½ lb. 20c; lb. 40c; pk. \$1.25. Not prepaid, ½ lb. 15c; lb. 30c; pk. (3½ lbs.) \$1.00; bu. (14 lbs.) \$4.00; 4 bu. \$18.00; 100 lbs. \$33.00.





The Following Abbreviations Occur in the Flower:

**A** for **Annuals**, that grow, bloom and die the first year from seed.

**B** for **Biennials**, that bloom the second year from seed, and then die, although many, if sown early in the spring, will flower the first year.

**P** for **Perennials**, that usually bloom the second year from seed, and continue to grow and bloom for many years. Some will also bloom the first year, if sown early.

**H** indicates that they are **Hardy**, and **H H**, **Half Hardy**. **T** indicates that they are **Tender**.

**Hardy Annuals**, Biennials and Perennials can be sown in the open ground early in spring, and Biennials and Perennials do not require protection in winter.

**Half Hardy Annuals**, Biennials and Perennials should not be sown in the open ground until warm weather sets in; they can be sown in the house, if desired early, and afterwards transplanted. The two latter need to be protected in the winter, or carried over until spring in cold frames or greenhouses.

SEEDS FOR SPECIAL PURPOSES.

The following list is useful in making selections of suitable varieties for a given object:

**LOW GROWING PLANTS.**

For Beds and Edgings.

Ageratum, Agrostemma, Alyssum, Amaranthus, Asperula, Bachelor's Button, Begonia, Browallia, Cacalia, Calceolaria, Calliopsis, Campanula, Candytuft, Chrysanthemum, Dahlia, Daisy, Dianthus or Pinks, Escholtzia, Forget-me-nots, Gaillardia, Geranium, Gnaphallum, Golden Rod, Heliotrope, Ice Plant, Lobelia, Mignonette, Marigold, Nasturtium, (dwarf).

**TALL GROWING PLANTS.**

For Backgrounds and Centers.

Adonis, Antirrhinum or Snap Dragon, Aquilegia Aster, Auricula, Balsam, Calendula, Canna, Castor Bean, Celosia, Cleome, Cosmos, Datura, Delphinium, Digitalis, Hedysarum, Hollyhock, Helianthus or Sunflower, Jacobaea, Lupins, Marigold, Mirabilis or Four O'Clock, Nicotiana, Paeony, Primula, Salvia, Stocks, Sweet William, Zinnia.

**FOR CONSTANT BLOOM.**

Sweet Alyssum, Candytuft, Carnation, Celosia, Escholtzia, Nasturtiums, Petunias, Phlox Drummondii, Pinks, Portulaca, Sweet Peas, Verbena, Zinnia.

**FOR VASES AND BASKETS.**

Abronia, Alyssum, Asperula, Convolvulus Minor, Kenilworth Ivy, Lobelia, Maurandia, Mimulus, Nasturtium (dwarf) Oxalis, Silene, Smilax, Verbena.

**CLIMBERS FOR PORCHES, ETC.**

Abobra, Adlumia, Aristolochia, Canary Bird Flower, Clematis, Cobaea, Convolvulus Major, Cypress Vine, Dolichos, Gourds, Humulus or Japan Hops, Lophospermum, Momordica, Moonflower, Nasturtium (tall), Passiflora, Scarlet Runner Beans, Sweet Peas, Wild Cucumber.

**FOR FRAGRANT FLOWERS.**

Sweet Alyssum, Candytuft, Carnation, Four O'Clock, Heliotrope, Mignonette, Nasturtium, Stocks, Sweet Peas, Verbena, Violet, Wallflower

THERE IS MONEY FOR YOU in Flower Seeds, and it will pay you to secure your neighbor's orders.

WE MAKE THESE LIBERAL DISCOUNTS:

Customers	\$1.00	May	\$1.30
	2.00		2.70
	3.00		4.00
	4.00		5.50
Sending	5.00	Select	7.00

worth of Flower and Vegetable Seeds in packets and ounces. This discount, however, does not apply to seed by weight ¼ lbs. and over, or collections, nor does it apply to orders sent at different times, during the season, except previous arrangement is made, nor does it apply to plants, bulbs, potatoes, grass and field seeds and tools; but customers are allowed to select seeds for the cost of remittances besides these discounts.

**ABOBRA.**

**Virdiflora.** A very rapid growing and exceedingly beautiful climber, producing dazzling scarlet fruit. (6 feet.) T. A. Pkt. 3c.

**ABRONIA.**

**Umbellata.** Trailing Plant with Verbena-like and Rosy-lilac flowers. May be trained to sticks or left in its natural mode of growth. Peel off the husk before sowing. H. H. A. Pkt.....5c.

**ABUTILON.**

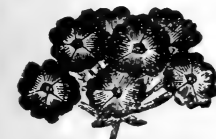
(Chinese Bell Flower.)

**New Hybrids, Mixed.** The plants are of compact growth, flowering continually; suitable for house in winter and garden in summer; producing much larger bell-shaped flowers than the old types—the range of colors includes white, straw, yellow, rose, carmine, crimson, orange and many beautifully striped varieties. 2 to 4 feet. T. P. Pkt.....10c

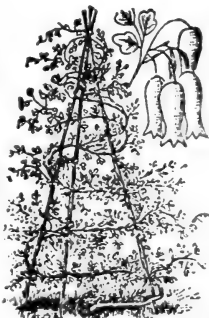
**ADLUMIA.**

(Mountain Fringe, or Allegheny Vine.)

**Cirrhusa.** An attractive climber. The flowers are flesh-colored and form a fine contrast to the pale-green foliage of the plant. Height 15 feet. H. B. Pkt.....5c



Abronia.



Adlumia.



Agrostemma.



Ageratum, Little Dorrit.



Amaranthus Solcifolius.



Asperula.

**ADONIS.**

**Aestivalis** (Flos Adonis). Ornamental garden annual, of easy culture, flowering freely; graceful feathery foliage. Crimson. H. A. 1 foot. Pkt. ....5 cts.

**AGERATUM.**

Annals bearing continually and profusely, clusters of feathery flowers; suitable for pot culture in winter or bedding out in summer. H. A.

**Little Dorrit.** Fine white flowers; 18 inches. Pkt. ....3 cts.  
**Tom Thumb.** Very dwarf, blue flowers; 6 inches. Pkt. ....3 cts.

**AGROSTEMMA.**

**Coeli Rosea** (Rose of Heaven). Attractive, producing flowers on long slender stems like a single pink; blooms the first season. H. A. 1 foot. Pkt. ....5 cts.

**ALYSSUM.**

These flower profusely throughout the season, thriving in flower garden, window boxes, vases, etc.; also well adapted for ribbon lines and edgings; very fragrant.

**Little Gem.** Grows quick from seeds and the plants will bloom when quite young. The abundance of flowers is simply enormous; 300 blossoms have been counted on a single plant. H. A. 1/4 oz., 10c; oz., 25c; Pkt. ....3 cts.

**Golden Saxatile.** A free growing, dwarf, hardy perennial. Flowers brilliant golden yellow, completely hiding the foliage. Showy for permanent borders and beds. H. P. 10 inches. Pkt. ....5 cts.

**AMARANTHUS.**

Ornamental foliage and flowering annuals of rapid growth, easy culture and very showy, with flower spikes of richly colored foliage. T. A.

**Caudatus.** (Love lies bleeding). Long, dark red drooping flower spikes. 3 feet. Pkt. ....5 cts.

**Solcifolius.** (Fountain Plant). Gracefully drooping, willow-shaped leaves, banded and tipped with orange, carmine and bronze. 2 to 3 feet. Pkt. ....5 cts.

**Tricolor.** (Joseph's Coat). Leaves red, yellow and green. 3 feet. Pkt. ....5 cts.

**Mixed.** All varieties. Pkt. .5 cts.

**AMPELOPSIS.**

**Vitifolia.** (Boston or Japan Ivy). Valuable hardy perennial climber; clinging to walls of wood, brick or stone; foliage dense, of glossy green, changing to red and yellow in autumn. H. P. 30 feet. Pkt. 10 cts.



Adonis.



Asparagus Plumosus.



Aristolochia.

**ANTIRRHINUM.**

(Snap Dragon.)

For summer flower beds and borders these half-hardy perennials are very showy, and flower from seed the first season. They grow 1 to 3 feet high, and are masses of bloom. H. H. P.

**Tall, Mixed Colors.** Selfs and stripes. 2 to 3 feet. Pkt. ....5 cts.

**Giant-Flowering.** The flowers are nearly double the size of the older sorts. 2 to 3 feet. Pkt. ....10 cts.

**Tom Thumb Varieties.** Mixed Colors. Only 1 foot high. Pkt. 5 cts.

**AQUILEGIA, OR COLUMBINE.**

Hardy perennials, luxuriating in the moist situations in the garden, where they form permanent clumps, growing from 1 1/2 to 3 feet high. The large, unique, long spurred flowers, gracefully hung on long stems, are not only brilliantly effective on the plant, but equally as desirable when cut for vase and house decoration. H. P.

**Alba** (White Spurred). A beautiful pure white variety. 3 feet. Pkt. 10c.

**Chrysantha** (Golden Spurred). Bright Golden yellow. 3 feet. Pkt. ....10 cts.

**Glandulosa.** Lovely shade of light blue and pure white. 2 feet. Pkt. ....10 cts.

**Double.** all colors mixed. Oz., 30 cts; pkt. ....5 cts.

**ARISTOLOCHIA SIPHO.**

**Dutchman's Pipe Vine.**

Rapid, luxuriant, hardy perennial climber; large leaves, making dense shade; flowers yellow and brown.

**Sipho-Dutchman's Pipe.** H. P. 30 feet. Pkt. ....10 cts.

**ASPARAGUS SPRENGERI.**

Also called Emerald Feather and Abyssinian Parlor Fern.

New. Perhaps the best new plant introduced in ten years. Highly praised everywhere; handsomest seen drooping from a pot or basket. Sprays from 4 to 6 feet long, of fresh, green, feathery foliage; useful for bouquets, wreaths or sprays, remaining perfect for weeks after cutting; grows freely the whole year round. Extremely valuable for all purposes. Flowers white, followed by red berries. A plant that will please you. T. P. Pkt., (15 seeds) ....10 cts.

**ASPARAGUS PLUMOSUS.**

**Asparagus Fern.** One of the prettiest house plants. The leaves are bright green, gracefully arched, surpassing Maidenhair Ferns in grace, delicacy of texture and richness of color. It is admirably adapted to house culture. T. P. Pkt., (5 seeds), 10 cts; 25 seeds .....35 cts.



Comet or Poodle Asters.

## ASTERS.

Asters may be sown in the open ground after danger from frost is past. Stronger plants and earlier flowers can be obtained by sowing in a light window, hot bed or greenhouse. They require rich, loamy soil, and in dry weather should be mulched with well rotted manure to produce large flowers, yet they will succeed admirably in the most ordinary garden soil. H. A.

### DWARF VICTORIA.

This is one of the best semi-dwarf Asters in existence. The flowers are very large, are borne on upright stems, are of ideal form, and the colors are of the richest and delicatest hues. There are color combinations and shadings in this class of Asters not found in any other class. Height 10 inches.

Pure White. Pkt. ....	8 cts.
Crimson. Pkt. ....	8 cts.
Purple Violet. Pkt. ....	8 cts.
Light Blue. Pkt. ....	8 cts.
Scarlet. Pkt. ....	8 cts.
Peach Blossom. Pkt. ....	8 cts.

Imported collection of the above six packets, 40 cts.

Dwarf Victoria Mixed. Pkt. 8 cts.

### PAEONY FLOWERED PERFECTION.

For size of flowers, beauty of colors and habit of plants, this Aster is almost unrivalled. Flowers are incurved like those of a paeony, and of beautiful form with rich, brilliant colors. Plants grow about two feet high, stout and vigorous.

Pure White. Pkt. ....	8 cts.
Rose and White. Pkt. ....	8 cts.
Purple Violet. Pkt. ....	8 cts.
Light Blue. Pkt. ....	8 cts.
Dark Blue. Pkt. ....	8 cts.
Crimson. Pkt. ....	8 cts.

Imported collection of above six packets, 40 cts.

Paeony-Flowered Mixed. Pkt. 8c.

### COMET OR POODLE.

Next to the above, the Comet is the handsomest of tall growing Asters. The flowers are handsome, very attractive, with long, curled and twisted petals formed into a large globe-shape. All are produced on long stiff stems, making these Asters useful for corsage bouquets as well as for cut flowers.

Mixed. Pkt. ....10 cts.

### DWARF OSTRICH FEATHER.

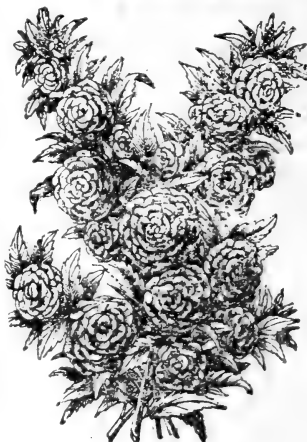
Of dwarf bushy habit, 8 inches in height, candelabra shaped and of elegant form. Flowers are of immense size with very long graceful curled petals, very imposing in appearance. "The Bride." White changing to rose. Pkt. 25 cts.; 3 pkgs. 50 cts.



Aster, "The Bride."



Simple Branching Asters.



Prize Balsams.

## SPECIAL OFFER.

The five varieties of flowers shown on this page for 40 cts.



Paeony Flowered Asters.

## ASTERS—Cont'd.

### SEMPLER TALL BRANCHING.

This is a strong grower and having a tendency to form numerous branches it should have more room than the ordinary Aster. The plant continues to grow later in the season than any other variety and blooms correspondingly late, thus giving its crop of flowers in late autumn when there is a scarcity of bloom.

White. Pkt. ....	10 cts.
Pink. Pkt. ....	10 cts.
Lavender. Pkt. ....	10 cts.
Crimson. Pkt. ....	10 cts.
Carmine. Pkt. ....	10 cts.
Purple. Pkt. ....	10 cts.
The above six packets for 50 cts.	
Simpler Mixed. Pkt. ....	10 cts.

### ASPERULA.

*Odorata.* (Woodruff). This charming little plant, which blooms in May and is a hardy perennial, delights in moist and shady situations and is used for border planting. 9 inches. H. P. Pkt. ....10 cts.

*Azurca Setosa.* Small, sweet-scented, light blue flowers. 1 foot. H. A. Pkt. ....5 cts.

### AURICULA.

The flowers which resemble the Primrose somewhat, are of various shades of crimson, yellow, maroon, etc.

Extra Choice Mixed. H. P. 6 inches. Pkt. ....15 cts.

### BACHELOR'S BUTTON.

Bachelor's Button.

(See Centaurea. Page 60.)

### BALSAMS.

*Wernich's Prize.* We have no hesitancy in pronouncing this strain the finest in cultivation. The flowers are very large, measuring from two to three inches in diameter, of perfect form, resembling the flower of the Camellia, and are as double. In fact, the petals are so densely produced that the yield of seed is extremely small, one single plant often producing not more than five seeds.

Pure White. Pkt. ....	5 cts.
Rose. Pkt. ....	5 cts.
Prince Bismarck. Salmon Rose. Pkt. ....	5 cts.
Scarlet. Pkt. ....	5 cts.
Lilac Rose. Pkt. ....	5 cts.
Dark Blue. Pkt. ....	5 cts.

The above six packets for 25 cts. Wernich's Prize Mixed. Pkt. 5 cts.

### BELLIS.

Daisy. (See page 61.)



Double Carnation.



Calendula.



Calliopsis.



Chrysanthemum Japonicum.

**BEGONIA.**

Magnificent flowering pot plants, and deservedly popular for garden bedding, flowering in the greatest profusion all summer.

**Single, Large - Flowering, Mixed Colors.** From choicest erect-flowering varieties. Pkt. .... 25 cts.

**Double, Large - Flowering, Mixed Colors.** From prize varieties. Pkt. .... 50 cts.

**Rex.** Large, ornamental leaves of dark green, bronze, gold, red, etc. Pkt. 25 cts.

**BROWALLIA (AMETHYST).**

Handsome annuals, with blue or white flowers, completely studding the bushy plants during the whole summer; fine for garden beds in summer or pot culture in winter. H. H. A. 1½ feet.

**Mixed Colors.** Pkt. .... 5 cts.

**CACALIA.**

Tassel Flower.

Very pretty, summer-flowering garden plants. Prized for cutting. H. A. 1½ feet.

**Mixed Colors.** Pkt. .... 5 cts.

**CACTUS.**

Sow in flat pans or flower-pot saucers filled with sand, keep moderately moist and cover with a piece of glass or a tumbler. The best way is to place the pan or saucer in which the seeds are planted into one of larger size, which can be kept full of water, thus assuring the required moisture. H. H. P. Mixed. Pkt. .... 15 cts.

**CALCEOLARIA.**

Unsurpassed for the green-house or conservatory, producing flowers in great variety. The blooms are remarkable for their oddness of shape, and for their richness, diversity and variety of color. T. P., 1 foot. Pkt. .... 25 cts.

**CALENDULA.**

Dwarf, bushy annuals, blooming abundantly until frost; of easy culture; indispensable for summer garden or for pot culture in the winter. H. A. 1 foot.

**Meteor.** Yellow, striped with orange. Oz., 20 cts.; Pkt. .... 5 cts.

**Prince of Orange.** Orange, striped light yellow. Oz., 25 cts.; Pkt. .... 5 cts.

**Pluvialis.** Single, pure white. Oz., 25 cts.; Pkt. .... 5 cts.

**Mixed.** Oz., 20 cts.; Pkt. .... 5 cts.

**CALLIOPSIS.**

**Finest Mixed.** Showy garden annuals, with large bright flowers borne in great profusion from early summer until frost. Height about 2 feet. H. A. 1 to 2 feet. Oz., 20 cts.; Pkt. .... 5 cts.



Cacalia.



Celosia Plumosa.



Calceolaria.

**CAMPANULA.**

**"Cup and Saucer" Canterbury Bells.** (Campanula Calycanthema.) Beautiful flowers 3 inches in length, saucers 3 to 4 inches across. The plants form perfect pyramids of bloom about 24 inches high, and they bear frequently from 100 to 200 of these exquisite blossoms for weeks during the early summer. H. B. 2 feet. Mixed. Pkt. .... 5 cts.

**CANARY BIRD VINE.**

A beautiful climber, the charming little canary-colored blossoms bearing a fancied resemblance to a bird with its wings half expanded. H. H. A. 10 feet. Oz., 30 cts.; Pkt. .... 5 cts.

**CANDYTUFT.**

Dwarf annuals, flowering profusely throughout the whole season; great favorites for beds, edgings, pots and borders; the plants are fairly covered with blossoms, and of the easiest culture. H. A. 12 inches.

**Dwarf Carmine.** Pkt. .... 5 cts.

**Dwarf Lilac.** Pkt. .... 5 cts.

**Dwarf Mixed.** Pkt. .... 5 cts.

**"Empress" or Giant White Hyacinth-Flowered.** A grand variety, producing enormous spikes of bloom, resembling a white Hyacinth. These spikes often measure 7 inches long by 2½ inches in diameter; plant in bloom, 12 inches high. Pkt. .... 5 cts.

**CANNA.**

Cannas are stately with handsome foliage and showy flowers. The seeds are extremely hard and it is advisable to file through the hard outside covering; soak in warm water several hours before planting. The roots may be wintered in the cellar—the same as Dahlias. T. P.

**Madam Crozy, Finest Mixed.** Oz., 50 cts.; Pkt. .... 5 cts.

**CARNATIONS.**

The most magnificent of all the pink family, and are general favorites for their delicious fragrance and richness of color. Seed may be sown under glass in spring, or in the open ground. H. H. P.

**Wernich's Double Perfection Mixed.** Saved from a rich collection of mixed flowers. Pkt. .... 15 cts.

**Early Red Grenadin.** For yielding a quantity of double red flowers, there is no outdoor Carnation that can equal it. Pkt. .... 5 cts.

**Carnations, Fine Double Mixed.** Sweet-scented sorts, large double flowers. Pkt. .... 5 cts.

**Margaret Carnation.** This Carnation blooms in four months from sowing. Flowers are larger, and the variety of colors is infinitely greater. Pkt. .... 5 cts.

**SPECIAL OFFER.**

The 7 Choice Flowers shown on this Page for 40 cts.

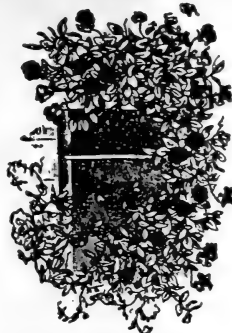




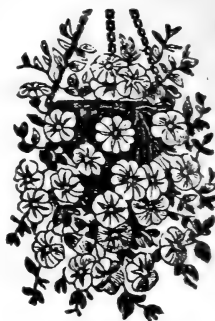
Cineraria.



Clematis.



Cobaea Scandens.



Convulvulus Minor.

## CELOSIA OR COCKSCOMB.

Interesting and brilliant annuals so as to resemble a cock's comb, of tropical origin. Are finely cut. H. H. A.

**Cristata Coccinea.** Dwarf crimson. Fine, 1 foot. Pkt.....5 cts.

**Glasgow Prize.** Very dwarf; immense crimson combs. 1 foot. Pkt.....5 cts.

**Ostrich Plumed, Mixed Colors.** Plumes of crimson, orange, yellow, rose, etc. 3 feet. Pkt.....5 cts.

All three Pkts. (one of each) for 10 cts.

## CENTAUREA.

**Bachelor Button.**

Thanks to the praiseworthy fashion of late years of using, as far as possible, only long-stemmed flowers for bouquets, the Centaurea has become a general favorite.

**Emperor William.** Handsome blue color. H. A. Pkt.....5 cts.

**Cyanus.** Double mixed. H. A. Pkt. 3c.

## CHRYSANTHEMUM.

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants, good for pot culture, distinct from autumn-flowering varieties.

**Annual Varieties.**

**Lord Beaconsfield.** Single Red. Pkt.3c

**Coronarum.** Double White. Pkt.....3c

**Coronarum.** Double Yellow. Pkt.....3c

**Mixed Annuals.** Pkt.....3c

All four-packets, 10 cts.

**Perennial Varieties.**

**Japonicum.** Fl. pl. New Japanese varieties. Pkt.....10 cts.

All 5 Varieties .....15 cts.

## CINERARIA.

**Wernich's International Mixture.** This is a mixture of the finest English, French and German strains, the flowers are very large, from 7 to 9 inches in circumference and in the most brilliant colors. Pkt.....10 cts.

**Maritima.** (Dusty Miller.) Extensively used for ribbon-planting, vases, hanging baskets, etc.; leaves are silver gray; although perennial, it is grown as an annual. H. H. P. Pkt. ....5 cts.

## CLARKIA.

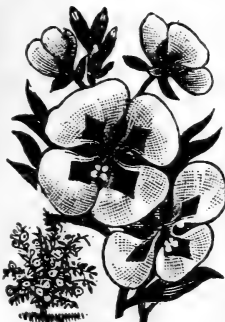
Charming garden annuals. The flowers of rose, white, red, purple, etc., borne in profusion. H. A. 1 to 2 feet.

**Double Mixed.** Pkt. ....5 cts.

## CLEMATIS.

A well known and rapid growing, free flowering climber. Seed should be sown in the fall or winter in shallow boxes in the usual way, and when an inch or two high, transplant into boxes or small pots preparatory to planting in the open ground. H. P.

**Jackmanii Varieties.** Flowers 3 to 4 inches across. Mixed. Pkt.....25 cts.



Clarkia.



Cyclamen.



Cyperus.

## SPECIAL OFFER.

THE 7 CHOICE  
FLOWERS ON  
THIS PAGE  
FOR 65 CTS.

## CLEOME PUNGENS.

**Giant Spider Plant.**

Grows freely from seed sown in the open ground during April or May; height about 4 feet. The flowers are very showy, with long, slender stamens and rose-colored petals, combined with the long, slender seed pods, give it the effect of a long and many-legged spider, with the flowers for a head. T. B. Pkt.....5 cts.

## COBAEA.

Magnificent rapid growing climber, often growing 20 to 30 feet in one season. The seed should be planted edge down and no water given unless the soil becomes very dry. T. P.

**Scandens.** Blue. Pkt.....5 cts.

**Albo.** White. Pkt.....10 cts.

## COLEUS.

Grown either in the garden or in pots. They are very handsome. Easily raised from seed if planted in good soil and watered plentifully. The color combinations are remarkably beautiful and make as handsome a foliage plant as can be obtained from seeds.

**Hybrida.** Pkt.....15 cts.

## CONVULVULUS.

**Morning Glory.**

See page 64.

## COSMOS.

**Giant Fancy.** The plants, 5 to 6 feet high, are one mass of feathery green foliage, gemmed with large single flowers of white pink, or crimson, enlivening the garden long after more tender flowers have succumbed to early frost. For bouquets and vases this is one of the finest flowers grown. Flowers are often 5 inches in diameter. H. H. A. Pkt.....10 cts.

## CYCLAMEN.

Valuable pot plants with orchid-like blossoms of great variety and beauty of coloring, varying from the purest white to the darkest crimson. They can be grown from seed and brought to flower in about 11 months from time of sowing. H. H. P. 1 foot.

**Giganteum Mont Blanc.** Snow white, large. Pkt.....25 cts.

**Giganteum.** Dark Red. Pkt.....25 cts.

**Giganteum Roseum.** Lovely pink. Pkt.....25 cts.

**Persicum Giganteum.** Finest Mixed. The flowers measure from 2 to 2½ inches in length. Pkt. ....25 cts.

## CYPERUS ALTERNIFOLIUS.

**Umbrella Plant.** A strikingly handsome foliage plant, easily raised from seed. T. P. Pkt.....10 cts.



Eschscholtzia Mandarin.

**CYPRESS VINE.**

For training upon a light ornamental trellis the Cypress Vine cannot be excelled. It has a profusion of scarlet or white star-shaped blossoms, and its finely-cut foliage is particularly adapted to ornamental work. Good for 10 feet; if planted fairly thick in good soil will make a dense screen of the most exquisite foliage and flowers. H. H. A. 15 ft.

Scarlet, Pkg.....	5 cts.
White, Pkg.....	5 cts.
Ivy Leaved, Mixed, Pkt.....	5 cts.
Pink, Oz., 25 cts. Pkt.....	5 cts.

**DAHLIA.**

Many people are not aware that Dahlias from seed sown in the spring will bloom beautifully the first summer and give good satisfaction. We would advise starting seed under glass and transplanting to the garden in good, rich soil the 1st of May. H. H. A.

Double Large Flowering, Mixed, Pkt.....	10 cts.
Pomponé Mixed, Pkt.....	10 cts.
Crested Mixed, Pkt.....	10 cts.

**DAISY.****Bellis Perennis.**

Plants of Double Daisy will bloom the first summer, and will continue to bloom for years if given slight protection during winter. They commence blooming in April and continue to bloom until summer. They are not very particular as to soil, but should be grown where they have partial shade.

Maxima, Double Giant, Red.....	10 cts.
Snowball Daisy, Long stem and large double flowers, Pkt.....	10 cts.
Longfellow, Dark pink flowers, usually large and double; very long and stiff flower spikes, Pkt.....	10 cts.
All three, one packet each, for 25 cts.	
Double Mixed, Pkt.....	10 cts.

**DATURA.****Trumpet Flower.**

An attractive plant with large foliage and of vigorous growth, producing a succession of large trumpet-shaped flowers, larger than a Calla Lily, and having faint perfume. H. A. 3 feet.

**Cornucopia—Horn of Plenty.** The flower is immense, often 10 inches long and 5 inches wide at the mouth and conical, having 3 cones, one within the other, each with spreading wavy margins. Color is fine purple-white. Pkt.....10 cts.

Double Mixed, Oz., 40 cts.; pkt. 5 cts.

**DIGITALIS.****Foxglove, or Witches' Fingers.**

Ornamental hardy border plants, easy culture, having long spikes of showy flowers, 3 to 5 feet. H. P.

Five Mixed, Pkt.....5 cts.

**DOLICHOS LABLAB.****Hyacinth Bean.**

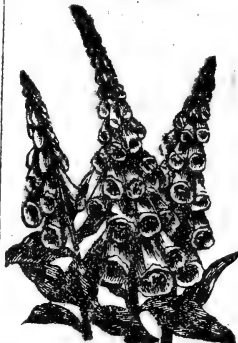
A rapid-growing climber of easy cultivation, bearing a profusion of pea-shaped purple blossoms; the seed-pods are of a beautiful deep purple shade in the fall. Sow in the open ground in April. H. H. A. 10 feet. Pkt.....5 cts.



Edelweiss.



Double Dahlia.



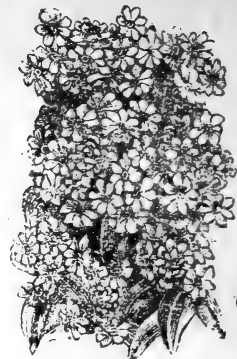
Digitalis.



Ferns.

**SPECIAL OFFER.**

The 6 Choice Flowers shown on this page for 35 cts.



Forget-Me-Not.

**DIANTHUS OR PINKS.****Hardy Garden Pinks.**

The pinks may be ranked amongst the fairest gems of our flower gardens, and are deserving of their great popularity. 1 foot high. H. B.

**Chinensis.** (China or India Pink.) Superb varieties, double mixed. Oz., 30 cts.; pkt.....5 cts.

**Heddewigii, Mixed Colors.**

(Single Japan Pinks.) Magnificent flowers. 2 to 3 inches across, broad and round, and of many exquisite colors; blotched, spotted and splashed. Pkt.....5 cts.

**Plumarius, Double Mixed.** Double-fringed fragrant flowers of white, crimson or purple, shades, spotted and variegated. 12 inches high. Pkt.....10 cts.

**EDELWEISS.**

The true and famous Edelweiss of the Alps. The flowers are of downy texture, pure silver-white and star-shaped. Succeeds in almost any not too rich soil, with full exposure to sun. H. P. Pkt....10 cts.

**ESCHSCHOLTZIA.****California Poppies.**

Beautiful and popular garden annuals of easy culture, forming nice bushy plants; 1 foot high.

Alba, Pure white, Pkt.....	5 cts.
Mandarin, Large, bright scarlet; interior orange, Pkt.....	5 cts.
Rosea, Rose, Pkt.....	5 cts.
Mixed, Oz., 30 cts.; pkt.....	5 cts.

**EVERLASTINGS.**

(See page 70.)

**FERNS.**

No prettier ornament can be imagined than a vase of assorted Ferns for the parlor, or what is handsomer in the conservatory than pots and hanging baskets of the various kinds? Or along the shady side of a house?

**Hardy Perennial Varieties,** Mixed, Pkt.....15 cts.

**FORGET-ME-NOT.****Myosotis.**

An old favorite. It flourishes best in a moist, shady situation, and is in constant bloom nearly the whole season. If sown in boxes in the house early, will flower the first season. 6 to 12 inches. H. H. P.

**Alpestris Alba.** Pure white. Pkt. 5 cts.

**Victoria.** Forms a neat, compact bush about 6 inches high, that at all times during the season is one mass of sky blue flowers with yellow centers. Pkt....5 cts.

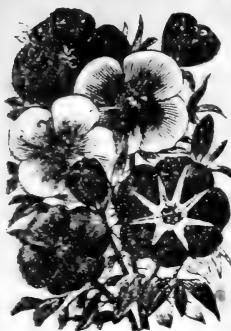
**Palustris.** A bed of this when abloom in spring is a lovely sight, a sheet of sky blue flowers; 6 inches. Pkt.....10 cts.

All three, 1 packet each, for 15 cts.

**FOUR O'CLOCKS.****Marvel or Peru.**

They are exceedingly fragrant, expanding in the evening and withering the next morning. H. A. 2 feet.

Fine Mixed, Pkt.....3 cts.



Godetia.

**FUCHSIA.****Ladies' Eardrop.**

They bloom the first year from seed if sown reasonably early.

**Single Mixed.** Pkt. ....15 cts.  
**Double Mixed.** Pkt. ....25 cts.

**GAILLARDIA.**

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom during summer and autumn.

**Mixed.** Pkt. ....10 cts.

**GERANIUM.**

Well-known popular plants for either pot culture in the winter or summer bedding. 12 to 18 inches high. **T. P.**

**Zonale Varieties.** Saved from some of the finest collections and many choice and even entirely new varieties may be expected. Pkt. ....10 cts.

**Double Varieties.** Pkt. ....10 cts.  
**Lady Washington** Pkt. ....20 cts.

**GLOXINIA.**

A magnificent class of house blooming bulbous plants with handsome, bell-shaped flowers in a diversity of the richest colors. Our international mixture contains the finest English, French and German strains; produce most beautiful flowers.

**French Hybrids.** The best strain in existence, embracing all colors, the largest flowers and the latest novelties. Pkt 25 cts.

**GODETIA.**

Showy garden annuals, of compact growth, about 1 foot high, bearing freely flowers 3 to 4 inches across of exquisite colors and shades that glisten in the sunlight like satin. **H. A.** 1 foot.

**Mixed.** Pkt. ....5 cts.

**GOLDEN ROD.**

**Solidago Canadensis.** By many looked on as the National Flower of America; flowers golden yellow, height 2 feet. **H. P.** Pkt. ....5 cts.

**GOURDS!**

These are rapid growing climbers, therefore desirable for many places where an immense amount of vine is wanted quickly. If you have an old tree, dead or nearly so, Gourds will cover it to perfection.

**Towel, Gourd, or 'Luffa.** Many ladies prefer a dish cloth made of this Gourd to anything else, as it is always sweet and clean as long as any part of it is left.

**Pkt. ....5 cts.**  
**Hercules Club.** Pkt. ....5 cts.  
**Nest Egg.** Pkt. ....5 cts.  
**Bottle-Shaped.** Pkt. ....5 cts.  
**Mock Orange.** Pkt. ....5 cts.  
**Apple-Shaped.** Pkt. ....5 cts.  
All five varieties, 1 pkt. each, for 15 cts.  
**Mixed,** Oz. 40 cts.; pkt. ....5 cts.



Sunflower Stella.



Golden Rod.



Heliotrope.



Humulus Japonicus.



ICE PLANT.

**HEDYSARUM.****French Honeysuckle.**

Handsome flowering plants, producing racemes of attractive pea-formed flowers. It bears some resemblance to the Scarlet Clover, but is a much bolder and handsomer flower. **H. B.**

**Coronarium.** Red. Pkt. ....5 cts.

**HELIOTROPE.**

Heliotropes can be grown as readily from seed as Pansies or Verbenas. Sow in open ground in May, and the plants will bloom in August. **H. H. P.**

**Finest Mixed.** Many varieties and colors. Pkt. ....5 cts.

**HELIANTHUS, OR.  
SUNFLOWER.**

Remarkable for the stately growth, size and brilliancy of their flowers, making a very good effect among shrubbery and for screens. The single sorts are now considered indispensable for cutting. Sown on a sunny spot in April or May, flowers may be cut daily from the end of June until cut down by frost. **H. A.**

**Nanus Foliis Variegatus.** The foliage variegated, green and white; dwarf.

**Pkt. ....5 cts.**

**Stella.** (New. Cut and Come Again Sunflower.) 3 to 4 feet. Flowers on long stems. Valuable for cutting. Pkt. ....5 cts.

**Macrophyllus Gigantens.** A branching pyramidal-shaped plant; yellow flowers about 18 inches in diameter. 6 feet.

**Pkt. ....5 cts.**

**White Beauty.** A Sunflower with snow-white seeds. A novelty in a 1,000. Pkt., 5 cts.; oz., 10 cts.; ¼ lb., 15 cts.; 1 lb., 40 cts.

**Dwarf Double.** (Miniature.) Flowers single bright orange, elegant in form, suitable for bouquets, as they measure only about 2 inches across. 3 feet Pkt. ....3 cts.  
**Large Russian.** Per pkt. ....3 cts.

**HUMULUS JAPONICUS.****Japanese Hops.**

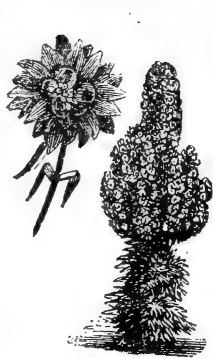
This splendid climber in foliage resembles the old-time Hop, but the foliage is more dense and exceedingly luxuriant, somewhat rough and hairy. **A. A.** 15 to 20 feet.

**Japonicus.** Insect proof, withstands heat and drought and remains fresh until late in the fall. Pkt. ....10 cts.

**Variegatus.** Like the preceding, except that the foliage is beautifully blotched. Pkt. ....10 cts.

**ICE PLANT.****Mesembrianthemum Crystallinum.**

A singular looking plant with thick, fleshy leaves, which have the appearance of being covered with crystals of ice. Start early in pots, and transplant into light, sandy soil in a warm situation. **T. A.** Pkt. 5 cts.



Larkspur



Lobelia



Marigold.



Lupinus.

### HOLLYHOCK.

The Hollyhock, in its present state of perfection, is very unlike its parent of olden time: it now ranks with the Dahlia, Aster, etc. The seed we offer of this handsome flower has been saved from the best collections of Europe. H. P.

**Wernich's Superior Double Prize Hollyhocks.**

The following, per packet, 10 cts. each

**Blush,** Maroon,  
**Canary Yellow,** Pink,  
**Crimson,** Purple,  
**Deep Rose,** Salmon,  
**Lavender,** White,  
**Light Apricot,** White Violet Centre.

Per pkt., 10 cts.; three pkts., 25 cts.; six pkts., 40 cts.; all twelve pkts., one of each, 75 cts.

**Extra Choice Double Mixed.** From named varieties. Pkt. 5 cts.

### Everblooming Allegheny Hollyhocks.

This new variety blooms the first year from seed, and the flowers are most decidedly different than those of the old type. They are much larger, 4 to 5 inches in diameter, double and semi-double, fringed and curled. The colors are shell pink, rose and ruby red, a shade or two deeper at the center, and exquisitely tinted toward the edge. Mixed. Pkt. 10 cts.

### KENILWORTH IVY

*Linaria Cymbalaria.*

One of the most beautiful of basket or vase plants is Kenilworth Ivy, and it can be grown from seeds by anyone as readily as a Morning Glory. Seeding plants are of rapid growth, come into bloom in a few weeks, and make long drooping sprays of exquisite foliage thickly set with lovely little flowers. The plant thrives in a cool, dense shade and likes plenty of moisture about the roots. The plants are hardy perennials with protection at the north, and are excellent for carpeting a bed of Roses or Gladiolus. For a north window, or a window which the sun does not reach, this lovely basket plant is just suited. Pkt. 5 cts.

### LARKSPUR.

A beautiful genus, the prevailing color of the flowers being blue. For planting in permanent places and massing in clumps in mixed borders they are particularly desirable.

**Double Tall Annuals, Mixed.** Pkt. 5 cts.

**Double Dwarf Annuals, Mixed.** Pkt. 5 cts.

**Perennial Varieties, Finest Mixed.** Pkt. 10 cts.



Lophospermum.



*Dianthus Chinensis.*  
(See page 62.)



Mimulus.

### SPECIAL OFFER.

The 7 Choice Flowers shown on this page for 25 cts.

### LOBELIA.

Dwarf-growing plant from 4 to 6 inches high, with blue, white, crimson and rose flowers, adapted for ribbon borders, beds, baskets and pots. Should be started in heat and afterwards transplanted. H. H. P. **Erinus Varieties, Mixed.** Pkt. 5 cts.

### LOPHOSPERMUM.

Rapid-growing, ornamental, climbing plants, with leaves and handsome flowers. T. P.

**Scandens.** Pure violet. Pkt. 5 cts.  
**Coccineum.** Scarlet. Pkt. 5 cts.

### LUPINUS.

Very desirable plants bearing long spikes of brilliant flowers.

**Dwarf Annuals, Mixed.** Pkt. 3 cts.  
**Tall Annuals, Mixed.** Pkt. 5 cts.

### MARIGOLD.

A well known magnificent plant with handsome flowers of rich and beautiful colors and compact green foliage. H. H. A.

**Legion of Honor.** The plants will bloom from the middle of summer until late in fall. Flowers are rich golden yellow marked with velvety brown. 15 inches high. Pkt. 5 cts.

**Double French, Mixed.** Yellow, brown and crimson, beautifully striped; 1 foot. Pkt. 3 cts.

**Double African, Mixed.** Effective for groups and masses. Yellow and orange shades. 2 feet. Pkt. 3 cts.

### MATRICARIA.

(Double White Feverfew.)

**Alba Plenissima.** Bushy annual garden plant, bearing quantities of white double button-like flowers, useful for cutting. 2 feet. Pkt. 5 cts.

### MAURANDIA.

Beautiful, rapid climber, blooming profusely until late in the autumn, also fine for the conservatory or greenhouse. 10 feet high. T. P. C.

**Mixed, Choice Kinds.** Pkt. 5 cts.

### MIGNONETTE.

(See Reseda. Page 67.)

### MIMOSA.

**Pudica.** (Sensitive Plant.) A very interesting and curious plant, its leaves closing if touched or shaken. H. H. A. 9 inches high. Pkt. 5 cts.

### MIMULUS.

**Monkey Flower.**

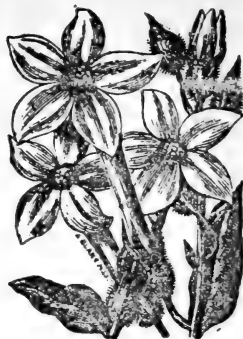
Showy, profuse, flowering plants, fine for greenhouse or moist, shady situations. Seed is very small and should be covered very slightly.

**Moschatus.** (Musk Plant.) Fine for hanging baskets, etc.; the thin, delicate leaves emit a pleasant musk odor. T. A. Pkt. 5 cts.





Convolvulus Major.



Nicotiana.



Passion Flower.

"Bona Nox."  
or Evening Glory.**MOMORDICA.**

Curios climbers, with ornamental foliage and odd-shaped fruit, which, when ripe, open showing a brilliant red interior; make a nice display on trellis and rock work. H. A. 10 feet.

**Momordica Charantina** (Balsam Pear). Pkt. ....5 cts.

**Momordica Balsamina** (Balsam Apple). Pkt. ....5 cts.

**MOON FLOWERS.**

(Ipomea.)

Climbers of rapid growth, with beautiful and varied flowers; for covering old walls, trellises, arbors or stumps of trees, they are invaluable.

**Brazilian Morning Glory.** (Setosa.) Flowers 3 inches or more across, of a beautiful rose color, borne in large clusters very freely from July to frost. Leaves are 8 to 12 inches across. T. P. 10 to 20 feet. Pkt. ....10 cts.

**Evening Glory.** (Bona Nox.) Violet, large, fragrant flowers, expanding in the evening. T. A. 15 feet. Pkt. ....5 cts.

**Moon Flower.** (Grandiflora Alba.) It bears in greatest profusion its lovely immense white flowers, 5 to 6 inches in diameter, with a five-pointed star in the center; the flowers open at dusk, or earlier on cloudy days, at which time they are deliciously fragrant. T. A. 15 ft. Pkt. ....10c.

**Northern Light.** Flowers 2 inches in diameter, of pink lavender color, blooming earlier than any of the Ipomeas that open in the evening. The foliage is large and handsome and remarkable for its drought-resisting qualities, remaining green and fresh when others are yellow and withered from lack of moisture. It is a rampant grower from time of germination, exceeding any Ipomea grown. T. A. 15 ft. Pkt. 10c. The above 4 named Moon Flowers. ....25c

**MORNING GLORIES.**

**Convolvulus Major.**

The old-fashioned Morning Glory is easy to grow and will reach a height of 20 feet in one season. Should be sown early and where intended to bloom. H. H. A.

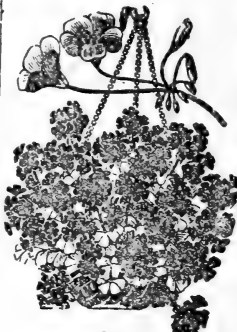
**Fine Mixed.** Per oz., 10 cts.; pkt. .3 cts

**COLLECTION OF MORNING GLORIES.** One package each, in 10 separate and distinct colors, 10 pkgs. in all, for. .25 cts.

**Convolvulus Minor.**

These grow about 1 foot high only. They are useful plants in the garden and for hanging baskets. H. H. A.

**Fine Mixed.** Per oz., 10 cts.; pkt. .3 cts.



Oxalis.

Phlox Drummondii.  
(See page 67.)Nasturtium.  
(See next page.)**SPECIAL OFFER.**

The 7 Choice Flowers shown on this page for only 30 cts.

**IMPERIAL JAPANESE MORNING GLORIES.**

Soak the seeds in lukewarm water for 24 hours before sowing, to aid in germination, or draw a sharp knife across one edge of the seed.

No one who has not looked upon the flowers of the Japanese Morning Glories has any conception of the enormous flowers—from 4 to 6 inches across—and their beautiful colors, running from snowy white through all possible shades of blue, and red from palest pink to darkest red and purple. They are streaked, striped, mottled and blotched in wonderful fashion. The leaves are large, some ivy-shaped, some heart-shaped, some are dark green, others are mottled.

Sow in May. They do not start as quickly as the common Morning Glory, but will reach a height of 20 feet during the summer. Per oz., 15 cts.; pkt. ....5 cts.

**NICOTIANA.**

**Affinis.** (Sweet-scented tobacco plant.) Produces freely deliciously scented large, white, tubulous flowers. If taken up in fall and potted it will bloom in the house during the winter. H. H. A. 2 feet high. Pkt. ....5 cts.

**NIGELLA.**

(Love in a Mist or Devil in the Bush.)

A compact, free-flowering plant, with finely cut foliage, curious looking flowers and seed pods; of easy culture in any garden soil. H. A. 1 foot.

**Damascena, Mixed.** Pkt. ....5 cts.

**OXALIS.**

Small free-flowering plants, with brightly colored clover-like leaves, thickly starred with small bright flowers from June until frost. Sown thinly in drills it makes a fine edging or border for flower beds. The seed being small, it should be lightly covered and may be sown quite early when trees are starting out in leaf. T. P. Mixed. Pkt. ....5 cts.

**PAEONY.**

Beautiful hardy plants. Large, handsome flowers. H. P.

**Sinensis, Mixed.** Pkt. ....10 cts.

**PASSION FLOWER.**

A well known climber of rapid growth, with singular large flowers, well adapted to house culture in winter or in sunny positions in summer. H. H. A. 10 feet. Mixed. Pkt. ....10 cts.

**PERILLA NANKINENSIS.**

Ornamental foliage plants of compact habit; similar to Coleus, with leaves of a black mulberry color; showy garden annual. H. H. A. 1½ feet. Pkt. ....5 cts.



## NASTURTIIUM.

TALL OR CLIMBING VARIETIES.

Nothing can equal the tall varieties as cover for fences, verandas, or unsightly outhouses. They flower profusely, giving an immense blaze of color, which greatly tends to heighten the appearance of the garden. H. A.

**Price of any of the following named varieties:** Pkt. 3 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 35 cts. (except where noted).

**Atropurpureum.** Flowers of a rich brownish red or velvet crimson.

**Crimson.** Deep velvety red, brown and brownish crimson.

**Edward Otto.** Flowers of a most distinct cinnamon or chocolate-brown, with rich yellow calyx and spur.

**Hemisphaericum.** Rich lemon yellow, with throat blotches of deep crimson.

**King Theodore.** Flowers almost black, foliage bluish-green.

**Luteum.** Large flowers of a clear, deep orange yellow.

**Orange.** Deep orange stained with cinnamon brown in throat and brightly marked with crimson blotches.

**Pearl.** Flowers of a soft primrose or pale lemon yellow, self-colored and of delicate satiny texture. This is the nearest approach to creamy white.  $\frac{1}{4}$  lb., 45 cts.

**Regelianum.** Flowers of good size and very rich coloring. Deep brownish red, shaded with purplish violet, which is most subdued light.  $\frac{1}{4}$  lb., 45 cts.

**Scheuerianum.** Pale yellow or light straw colored, brightly marked with carmine blotches and shadings.

**Vesuvius.** Brilliant fiery rose, very effective, new and beautiful.

**Von Moltke.** Beautiful rose.

**Tall Nasturtium, Mixed.** All of the above mixed. Pkt., 3c; oz., 10c;  $\frac{1}{4}$  lb., 20c; 1 lb., 70c Postpaid.

### Special Offer of Tall Nasturtiums.

"Tall Collection." No. 1. All 12 varieties, 1 pkt. each, 25c, net without discount.

"Tall Collection." No. 2. All 12 varieties, 1 oz. each, 75c, net without discount.

### DWARF OR BEDDING VARIETIES.

The improved varieties of the Dwarf Nasturtium are among the most popular and beautiful of our garden plants. Their neat, compact growth, rich colored flowers and free-blooming and long-lasting qualities, together with their adaptability to almost any soil or situation, have made them general garden favorites.

**Price of any of the following named varieties:** Pkt. 3 cts., oz. 10 cts.,  $\frac{1}{4}$  lb. 35 cts. (except where noted).

**Aurora.** Flowers of a rich, bright chrome-yellow, distinctly veined, with purplish carmine.

**Beauty.** Glowing orange with suffused flaming scarlet markings.

**Chameleon.** Possesses the peculiarity of producing variously colored flowers on the same plant. The neat, compact bushes form exceedingly fine edgings and are unrivaled for general garden decoration. Oz., 15 cts.;  $\frac{1}{4}$  lb., 35 cts.

**Coccineum.** A beautiful dark velvety scarlet. Golden foliage. Oz., 15 cts.;  $\frac{1}{4}$  lb., 45 cts.

**Empress of India.** Dwarf, compact growth, with large purplish-green leaves. Flowers of a dark, rich salmon-scarlet.

**King Theodore.** Dark foliage and flowers of a rich velvety crimson.

**Dwarf Nasturtiums, Mixed.** All of the above mixed, Pkt., 3 cts.; oz., 10 cts.;  $\frac{1}{4}$  lb., 25 cts.; 1 lb., 85 cts.

**Lady Bird.** Bright orange-yellow flowers, with showy brown blotch. Oz., 15 cts.;  $\frac{1}{4}$  lb., 50 cts.

**Pearl.** Clear lemon-yellow, fading to a faint primrose or straw tint.

**Prince Henry.** Flowers of pale straw-yellow, heavily suffused with rose; one of the most distinct and charming.

**Roseum.** Small flowers of deep bright rose tinted with salmon. Oz., 15 cts.;  $\frac{1}{4}$  lb., 50 cts.

**Ruby King.** Flowers of a bright ruby-red with a salmon tint.

**Spotted.** Flowers of a rich glowing yellow, spotted and flaked with velvety brown or carmine. Oz., 15 cts.;  $\frac{1}{4}$  lb., 45 cts.

### Special Offer of Dwarf Nasturtiums.

"Dwarf Collection." No. 1. All 12 varieties, 1 pkt. each, 25 cts., net without discount.

"Dwarf Collection." No. 2. All 12 varieties, 1 oz. each, 90 cts., net without discount.



## WERNICH'S GIANT AND PRIZE PANSIES.

There is nothing in our extensive list of Flower Seeds which is more important than Pansy Seed, and we spare no trouble or expense to have the very best strains that are to be procured, and we know there is no better Pansy Seed to be had either in this country or in Europe than we carry in stock and supply to our customers.

### GIANT PANSIES.

The blossoms are simply enormous, perfect in form and run through all the varieties of colors.

- Giant Adonis.** A magnificent light blue with a white center. Pkt. ....10 cts.
- Giant Azure Blue.** Velvety dark blue, beautiful. Pkt. ....10 cts.
- Giant Goldelse.** (Canary-bird.) Spotless yellow. Pkt. ....10 cts.
- Giant King of the Blacks.** Lustrous jet-black. Pkt. ....10 cts.
- Giant Fire King.** Crimson-purple and golden-yellow. Pkt. ....10 cts.
- Giant Peacock.** Garnet-cream, garnet and blue. Pkt. ....10 cts.
- Giant Snowqueen.** (Snowflake.) Spotless, snow-white. Pkt. ....10 cts.
- Giant Striped.** White, blue, violet and chocolate. Pkt. ....10 cts.
- Giant Trimardeau, Mixed.** A splendid mixture of the above named and many others. First quality seed saved from the finest strains. We claim to have the best Giant Pansy mixture, both in size and colorings.  $\frac{1}{8}$  oz., 40c; pkt. ....10c

### Wernich's Parisian, Mixed.

Thousands of these Pansies are sold daily in the Paris markets. The flowers of this strain are as large as the "Giant" and far superior in colors and markings.  $\frac{1}{8}$  oz., 50c; pkt. ....15c

### Special Offer

Any 4 Packets,  
Giants, for 30c.  
All 8 Packets,  
(one of each)  
Giants for 50c  
Net, no discount.

### PRIZE PANSIES.

The best Pansy for bedding. Almost an endless variety of all shades and colors.

- Prize Yellow.** Pure yellow, without eye. Pkt., 5c
- Prize Emperor William.** Ultramarine blue with purple violet eye. Pkt. ....5c
- Prize Dr. Faust.** Densest black Pansies known. Pkt. ....5c
- Prize Snowflake.** Pure white. Pkt. ....5c
- Prize Victoria.** (New.) Splendid wine red. Pkt.5c
- Prize Gold Margined.** Beautiful, with gold edge. Pkt. ....5c
- Prize Silver Margined.** Beautiful, with silver edge. Pkt. ....5c
- Prize Prince Bismarck.** Golden bronze, marbled and light brown. Pkt. ....5c
- Prize Bedding, Mixed.** All of the above and many others in mixture. Best mixture of Bedding Pansies, saved from the finest strains by one of the largest Pansy growers in Germany.  $\frac{1}{8}$  oz., 25c; pkt. ....5c

**Fine Mixed.** Of all shades and colors and of sturdy growth. The seed is good, but is not to be compared with the better mixture.  $\frac{1}{8}$  oz., 15c; pkt. ....3c

### Special Offer

Any 4 Packets,  
Prize, for 15c.  
All 8 Packets,  
(one of each)  
Prize for 25c.  
Net, no discount.

### The Largest and Finest

### WERNICH'S "ELITE" MIXTURE.

### Nothing to Equal Them

While the "Giant" Pansies are great favorites on account of size, WERNICH'S "ELITE" PANSIES excel them in size as well as colorings. This grand strain of Pansies is saved for us by one of the largest Pansy growers in Europe, a grower who in competition with noted Pansy specialists at Fairs, Flower Shows and Exhibitions, has been awarded the highest prizes. "Elite" Pansies are unexcelled by any in size of flower or for richness of color. Flowers are large and colors sharply defined markings.  $\frac{1}{8}$  oz., \$1.00; pkt., 25c.

### PETUNIA.

Invaluable for planting out in beds or mixed borders. H. H. P.

**New Star.** A novelty. A free grower and branches freely. Plant attains a height of 18 inches by 24 inches in diameter. The flower is about  $\frac{3}{4}$  inches in diameter. Ground color is crimson maroon with a rich, velvety texture. Showing through the ground color are violet veinings. From the center the points of a five-rayed star begin broadening half-way up and narrowing to a point at the margin of the flower. Color of star is a light blush pink. Pkt., 15c; 2 for .....25c

**Fine Mixed.** Splendid varieties. Pkt. ....25c

**Hybrida Grandiflora.** Finest striped and blotched varieties. Large flowering. Pkt. ....10c

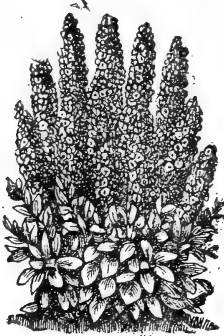
**Fringed Hybrida, Mixed.** Large flowers of various shades, colors and markings, beautifully fringed. Pkt. ....15c

**Wernich's Double Giant Petunia.** This splendid strain flowers as large as Hollyhocks; is as double as double as can be, with finely fringed edges and crinkled petals. The combination of colors is intensifying, varying in all shades and markings. Pkt. ....25c

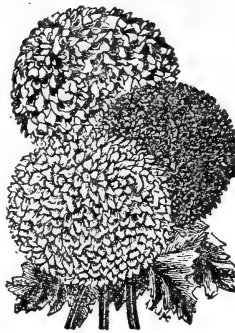
### PHLOX DRUMMONDII GRANDI-FLORA.

For beds and massing, nothing can surpass these beautiful annuals. They produce immense trusses of large, brilliant flowers of numberless hues throughout the summer. 1 $\frac{1}{2}$  feet high. Our large-flowering Phlox is an improved strain with extra large perfectly round flowers, with petals overlapping each other.

- Alba.** Pure white. Pkt. ....5c
- Brilliant.** (New.) Rose with dark red eye. Pkt.5c
- Atropurpurea Alba Oculata.** Purple with white eye. Pkt. ....5c
- Black-Brown.** Darkest color in Phloxes. Pkt.5c
- Coccinea.** Brilliant-scarlet, rich and bright. Pkt.5c
- Coccinea Striata.** Flery-red, white striped. Pkt.5c
- Vermilion Scarlet.** (New.) Fine Color. Pkt.5c
- Any 4 of above, 15c; all 7 Phloxes, 1 pkt. each. ....25c
- Large Flowering, Mixed.** Oz., 50c; pkt. ....5c
- Phlox Cuspidata.** (Star of Quedlinburg.) Flowers are of regular star-like form. Plant of compact habit, about 12 inches high, bearing large umbels of flowers. Colors varied and beautiful, including white, rose, salmon, scarlet, etc. Mixed. Pkt. ....5c



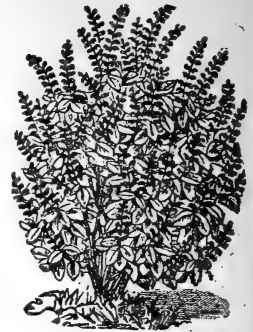
Mignonette, Gollath.



Double Poppies, Mixed.



Primula, Single Fringed.



Salvia Splendens.

## POPPIES.

Very attractive in large beds, clumps and mixed borders. The seed should be sown where it is to remain.

### Single Annuals.

**Danebrog.** Scarlet with a white cross in the center, resembling a Danish flag. Pkt. .... 5 cts.

**Peacock.** Large brilliant scarlet and crimson flowers, with a black zone near the center, making a strong and beautiful contrast. Pkt. .... 5 cts.

**Shirley.** Many of the flowers are veined, streaked and flaked from the center towards the edges, while others are red, edged with white. Mixed colors. Pkt. .... 5 cts.

**Tulip Poppy.** A magnificent strain of Poppies, flowers of the most intense scarlet. Pkt. .... 10 cts.

**Single Mixed.** Oz. .30c; pkt. 5 cts.

### Double Annuals.

**Paecony Flowered, Mixed.** Immense double, smooth-edged, broad-petaled flowers, resembling Paconies. Height about 2 feet. Pkt. .... 5 cts.

**Carnation-Flowered, Mixed.** Magnificent garden annuals, 2 to 2½ feet high; large globular flowers often a foot in circumference, of the greatest variety of colors. Pkt. .... 5 cts.

### Hardy Perennials.

**Iceland Mixed.** Although hardy perennials, these Poppies bloom the first season from spring-sown seed. The flowers are produced in never-ceasing succession from the beginning of June to October. Pkt. .... 10 cts.

**New Orientale Hybrids.** Containing charming new colors, pink, blotched purple, blood-red blotched black, glowing scarlet, reddish orange, salmon, etc. Pkt. .... 10 cts.  
All 8 Pkgs. .... 40 cts.

## PORTULACA.

Popular hardy annuals, producing flowers of almost every hue in profusion, succeed best in sunny places, and will hardly ever suffer for want of moisture. **Single Mixed.** Pkt. .... 5 cts.  
**Double Mixed.** Pkt. .... 10 cts.

## PRIMULA.

Chinese Primroses are lovely and useful little plants for pot culture that bloom most freely during winter and spring. **T. P.**

**Single Fringed.** Mixed. Pkt. 25 cts.  
**Double Fringed.** Mixed. Pkt. 50 cts.

## PYRETHRUM.

Old favorite herbaceous plants, very much in use for borders. The Golden Feather is a valuable yellow-leaved variety much used for carpet beds.

**Parthenifolium Aureum** (Golden Feather). Bright golden foliage. Pkt. 10c  
**Roseum** (Persian insect powder plant). Rose colored. Pkt. .... 10 cts.



Pyrethrum Parthenium.



Salpiglossis.



Scabiosa.

## SPECIAL OFFER.

The above 7 Choice Flowers as shown here for 66 cts.

## RESEDA-MIGNONETTE.

The hardest annual in cultivation and a universal favorite for its sweet and delicate fragrance. The varieties named below are valuable improvements. **H. A. Reseda Odorata.** (Sweet Mignonette.) Oz. 15 cts.; pkt. .... 3 cts.

**Machet.** The flower spikes are very broad and long, and the red flowers exceedingly fragrant. The best variety for pot culture and bedding. Oz. 75c; Pkt. .... 10 cts.

**Giant Pyramid.** A grand and distinct sort. Large flowered, pyramidal in shape. Oz. 25 cts.; pkt. .... 5 cts.

**Golden Queen.** Golden yellow flowers; dense dwarf growth. Oz. 40 cts.; Pkt. .... 5 cts.

**Giant Red. Gollath.** This wonderful Mignonette grows 12 to 16 inches in height, in pyramidal form; its enormous flower spikes are of the largest size, the individual blossoms of an intense red color and are very sweet-scented. One of the best for cut flowers and pots. ¼ oz. 25c; pkt. .... 10 cts.

## RICINUS OR CASTOR OIL BEAN.

They are splendid for subtropical effects, either planted singly on the lawn or in the center of a Canna or Caladium bed. 6 to 15 feet high. **H. H. A.**

**Borboriensis Arboreus.** Beautiful green leaves of immense size; 12 to 15 feet high. Oz. 15 cts.; pkt. .... 3 cts.

**Cambogiensis.** Leaves large and palm-shaped and of a bronzed color, with red veins. Stems of leaves are of brown, while the main stem of the plant is black. Oz. 40 cts.; pkt. .... 5 cts.

**Zanzibarensis.** An entirely new and distinct class of Castor Oil Beans from Africa, having short, stocky stems and enormous leaves, often 2 to 2½ feet across. Foliage of different colors, dark predominating. Mixed. Oz. 50c; pkt. 5c

**Gibsoni.** Dark purplish red foliage and stems; highly ornamental; 6 feet high. Oz. 20 cts.; pkt. .... 5 cts.

Collection of the above 4 pkts. 15 cts.

**Castor Beans, Mixed.** Above and many others in mixture. Oz. 10 cts.; Pkt. .... 3 cts.

## ROSES.

**Polyantha Multiflora.** (Little Midges.) Pretty little dwarf Roses, which commence blooming in about six weeks after the seed is sown. The flowers are semi-double, of various tints, and produced in large clusters freely until the frost comes. Although blooming freely the first season, they do not attain their best until the second year, when they are a perfect mass of bloom. **H. P.** Pkt. .... 10 cts.



# WERNICH'S SWEET PEAS

30 GRAND NAMED SORTS.

## A Few Rules for the Successful Cultivation of Sweet Peas.

The plants should not be raised for two successive seasons on the same ground. Neither should they be planted on the same ground after culinary peas.

Manuring with stable manure in the row immediately before sowing the seed is not desirable. Ground intended for sweet peas, if not left in good condition after taking the last crop, will be better for manuring the previous fall rather than at the Spring Seeding.

The use of artificial fertilizers, bone meal, nitrate of soda, etc., can be made in Spring at the time of planting or soon after.

Thin sowing, by which is meant planting the seeds from four to six inches apart, is conducive to vigor and strength of the plants which come later into bloom, but continue much longer than the plants from thick seeding.

Frequent stirring of the soil with hoe or cultivator in dry weather, thus producing a dust mulch, is preferable to artificial watering, unless irrigating facilities afford opportunities for a regular and abundant supply of water.

Do not allow any flowers to go to seed else the plants will stop blooming.

### Shades of White.

**Blanche Burpee.** Pure white, extra large size, good substance.

**Emily Henderson.** Pure white flowers, extra large on long, stiff stems.

### Shades of Heliotrope.

**Emily Eckford.** Reddish mauve, fading to light blue, large.

**Dorothy Tennant.** Deep rosy heliotrope, becoming darker with age.

### Shades of Yellow.

**Coquette.** Wings primrose yellow, standard shaded pale lavender on a primrose ground.

**Mrs. Eckford.** Primrose, yellow, large flower.

### Shades of Pink.

**Blushing Beauty.** Very fine, delicate shade of pink.

**Lovely.** Warm, rosy pink, large and fine.

**Mrs. Gladstone.** Delicate soft rosy pink, bluish wings.

### Shades of Rose.

**Adonis.** Rose and carmine, small flowers.

**Novelty.** Rich rosy red, a very bright color.

### Shades of Scarlet.

**Firefly.** Intense glowing scarlet, fiery scarlet wings.

**Invincible Scarlet.** Bright scarlet, very fine.

### Shades of Blue.

**Captain of the Blues.** Standards, purplish blue, wings deep blue.

**Navy Blue.** Dark blue, the best of blues. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00.

Prices (except where noted), per pkg., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 50c, postpaid.

### Shades of Bluish Mauve.

**Celestial.** Delicate lavender blue, a German novelty.

**Countess of Radnor.** Rosy lavender, wings pure lavender.

### Shades of Maroon.

**Boreatton.** Very dark maroon, self-colored.

**Indiga King.** Maroon, nearly indigo.

### White with Lilac Blue.

**Butterfly.** White, laced with lavender, notched standards.

**Lottie Eckford.** White suffused rosy lilac, blue edge.

**Maid of Honor.** Lavender and white, edged blue.

### Pink and White Shades.

**Blanche Ferry.** Rosy red, wings bluish white, very profuse.

**Modesty.** A delicate pink, running to white. Beautiful.

### Delicate Blendings.

**Venus.** Lovely, salmon-buff, faintly shaded with rosy pink. The fine large flowers become deeper in shade as they remain open.

**Princess Beatrice.** Fine large size, self-colored in a very soft pink, suffused on silvery white, shading brighter at the edges.

### Variegated and Striped.

**Aurora.** Striped rosy orange on white, a most attractive variety.

**Romona.** Creamy white, with soft flesh pink stripes, a dainty effect.

**Juanita.** Striped lavender and mauve on white.

**Columbia.** Striped red and blue on white.

## MIXTURES OF SWEET PEAS.

**Wernich's Bouquet Mixture.** This is the finest mixture ever offered, containing not only all of the above named varieties, but also many others. This seed is not grown in mixture but is carefully mixed by us with consideration to produce tone and effect. Bouquet mixture has won unstinted praise of our customers. Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., \$1.00; postpaid.

**Wernich's Fine Mixed.** A good mixture containing nearly all of the above and many others. Pkt., 3c; oz., 7c; ¼ lb., 15c; 1 lb., 50c; postpaid.

### SPECIAL OFFER.

No. 1. Any 3 pkts., 10c; any 10 pkts., 30c; all 30 pkts., 75c; postpaid.  
No. 2. Any 3 ozs., 25c; any 10 ozs., 65c; all 30 ozs., \$1.75; postpaid.



Sweet William.

## STOCKS.

These popular flowers are easily grown, and are so highly fragrant and of such great beauty that they deserve a place in every garden. H. H. A.

## LARGE FLOWERING DOUBLE TEN WEEKS.

Pure White. Rose. Canary Yellow.  
Crimson. Carmine. Light Blue.

Any of the above pkts., 10 cts; any three pkts., 25 cts; all six pkts., 45 cts.

**Large Flowering, Ten Weeks, Mixed.**

Pkt. ....10 cts.

**Dwarf German, Ten Weeks, Mixed.**

Pkt. ....5 cts.

**Giant Perfection Stock, Mixed.** This sort produces plants 2½ feet high with long flower spikes, handsome double flowers. Pkt. ....10 cts.



Verbena.

## SALPICLOSSIS.

(Large-flowering.)

Most beautiful garden annuals, about 18 inches high, bearing flowers 3 inches across, of many beautiful colors, all exquisitely veined and laced. H. H. A.

**Large-Flowering, Mixed Colors.** Pkt. ....5 cts.

## SALVIA.

(Flowering Sage.)

Handsome plants, excellent for beds or borders, with long spikes of flowers, which continue in bloom until late in the fall. Sow seeds in April. H. H. P.

**Splendens** (Scarlet Sage). Vivid scarlet; 3 feet. Pkt. ....5 cts.

**Patens.** Flowers of a delightful blue. Pkt. ....10 cts.

**Coccinea Lactea.** Pure white. Pkt. ....10 cts.

## SCABIOSA.

(Mourning Bride, or Sweet Scabious.) Very desirable plants, producing very pretty flowers of many colors in great profusion. Good for cutting for vases, etc. H. A.

**Dwarf Double.** Flowers are very globular. Pkt. ....5 cts.

**Tall Mixed.** Large and beautiful flowers, being double clear through to the center of the flower. Excellent for cutting. Pkt. ....5 cts.

## SILENE.

**Pendula Compacta** (Catch-Fly.) Beautiful free-flowering plants, very attractive for rock work, etc. H. A. Mixed. All colors. Pkt. ....5 cts.

## SMILAX.

Charming tender perennial climber for green house or window gardens. The foliage and stems are of a pleasing light green; very graceful. Excellent for decoration. T. P. 6 ft Pkt. ....10 cts.



Violet Blue.

## CUT AND COME AGAIN OR PERPETUAL-FLOWERING STOCK.

About 2 feet high; producing from spring to late in the fall beautifully shaped double flowers, which encircle numbers of side branches, and the oftener they are cut the better they seem to like it.

**Mixed Colors.** Pkt. ....10 cts.

## SWEET WILLIAM.

(Dianthus Barbatus.)

One of the most admired of our garden flowers. Hardy plants about 1 foot high, of extreme richness and variety of color, and also deliciously sweet-scented; for clumps or borders no plant can surpass this old favorite. H. B.

**Single Mixed.** Oz., 40c; pkt. ... 5c

**Double Mixed.** Oz., 80c; pkt. ....10c

## VERBENA.

Nothing excels the Verbena for showy flower beds. Sown early, they bloom the same year, their large self-colored striped and variegated flowers covering the entire plant. H. H. P. 1 foot.

**Fine Mixed.** Pkt. ....5c

**Hybrida.** Choicest mixed. Saved from the most beautiful named flowers. Pkt. ....10c

**Hybrida Compacta.** A valuable sort for bedding and edging purposes, on account of its short compact habit. Plants grow only 5 inches high and spread over 15 inches, covered with flowers. Pkt. 10c; 3 for .....25c

**New Fordhook Mammoth Verbena.** They are of very large size, being frequently larger than a silver quarter, in fact, many are scarcely covered by a silver half-dollar. Pkt., 10c; 3 for .....25c

## VINCA, OR PERIWINKLE.

Handsome bushy plants, producing freely round single flowers, 1½ inches across, suitable for either pot culture or sunny beds; tender perennial, but flowers the first season. T. P. 1½ feet.

**Rosea Alba.** White, with rose eye. Pkt. ....5c

**Rosea.** Bright rose. Pkt. ....5c

**Mixed.** Pkt. ....5c

## ZINNIAS.

One of the most brilliant annuals; a general favorite, its splendid double flowers rivaling in beauty, size and form, moderate sized Dahlias. H. A.

**Large Flowering Dwarf Double, Mixed.** Useful for beds or borders. Height 1½ feet. Oz., 40c; pkt. ....5c

**New Giant Mixed.** Flowers perfectly double, measuring 5 to 6 inches in diameter, colors brilliant. Height, 3 feet. ¼ oz., 30c; pkt. ....10c

**Haageana** (Mexican Zinnia). Grows erect in bush form to a height of 12 inches. Flowers of a bright golden yellow 2 inches in diameter. ¼ oz., 20c; pkt. ....5c

**Tall Annuals, Mixed.** Oz., 30c; pkt. ....5c

**Dwarf Annuals, Mixed.** Oz., 40c; pkt. ....5c

## VIOLET.

(Viola Odorata.)

The Violet should not be wanting in any garden, on account of its fragrance and early appearance. A single flower will perfume a whole room. They are well adapted for border or rock work. Succeeds best in a shady, sheltered place, and can be easily increased by dividing the roots. H. P. 6 inches.

**Blue Sweet Violet.** Pkt. ....10c

**Single White.** Very fragrant. Pkt. ....10c

## WALL FLOWER.

(Cheiranthus Cheiri.)

Well known deliciously fragrant garden plant, blooming early in the spring, with large conspicuous spikes of beautiful flowers; they should be protected in a cold frame in winter and planted out in May. H. H. P.

**Single Large Flowering Mixed.** All colors. Pkt. ....5c

**Finest Double Large Flowering, Mixed.** All colors. Pkt. ....10c

## WILD CUCUMBERS.

(Echinocystis Lobata.)

This is the quickest growing climber on our list. Grows wild, self sown, in many parts of the West. It will grow 10 feet in one season. It is thickly dotted over with pretty, white fragrant flowers, followed by an abundance of ornamental and prickly seed pods. For trellis or pillar no annual vine is more chaste, and it will quickly cover any old tree, or an unsightly building. H. A. C. ½ oz., 15c. Pkt. ....5c

## ZEA MAIZE.

(Striped Japanese Corn.)

An ornamental foliage plant of much beauty. It is a species of corn, the leaves being beautifully striped with white and green. H. H. A.

**Zea Japonica.** Striped foliage, 6 ft., pkg., 5c.



Zinnias.

# EVERLASTING FLOWERS.

Flowers should be cut when freshly opened, tied in small bunches and dried slowly in a cool, shady place, with the flowers downward to keep the stems straight.

**Acroclium, Mixed.** Of dwarf-branching growth with silvery foliage; small rounded, clover-like flowers of pure white and rose-pink coloring. H. A. Per oz. 25c; pkt. 3c.

**Ammobium.** Erect branching plants 2 feet in height, with curiously winged stems surmounted by branching heads of small, pure white flowers with bright yellow center. H. H. P. Per oz. 30c; pkt. 3c.

**Gomphrena, Mixed.** Free-flowering plants 2 feet in height, producing small globe-shaped double flowers in bright colorings. H. H. A. Per oz. 25c; pkt. 3c.

**Helichrysum.** These are the finest of all Everlastings. They resemble a freshly opened Aster in form and flower in many bright colors. H. A. Per oz. 40c; pkt. 5c.

**Rhodanthe, Mixed.** Tender annuals 15 inches in height with erect-branching stems and numerous flower-heads on slender stalks. These vary from pale rose to deep purple. H. H. A. Per oz. 90c; pkt. 5c.

**Xeranthemum.** Double flowers in varied colorings. Showy as a summer-flowering annual as well as desirable for the dried flowers. H. A. Per oz. 50c; pkt. 5c.

## EVERLASTING COLLECTION.

Six Packets, one of each, for 20 cts.

### ORNAMENTAL GRASSES.

Ornamental Grasses should be cut off when freshly opened (before seed forms) and slowly dried in a cool place.

**Agrostis Nebulosa.** Small growth with slender leaves and finely branched feathery sprays; only 10 inches in height. H. A. 1 foot. Per oz. 60c; pkt. 5c.

**Andropogon Argentus.** Dense flowers, very silky, with bright white hairs. H. P. 3 feet. Per oz. 60c; pkt. 5c.

**Avena Sterilis.** (Animated Oat.) A strong-growing grass, throwing up seed spikes  $2\frac{1}{2}$  feet in height. These bear seed closely resembling the oat, but larger in size and having the peculiarity of hopping about if the dry seed is moistened and placed on a level hard surface. H. A. 3 feet. Per oz. 25c; pkt. 5c.

**Briza Maxima** (Quaking Grass). Seeds are borne in a close thickened panicle resembling the rattle of a rattlesnake slightly in form. H. A.  $1\frac{1}{2}$  feet. Per oz. 20c; pkt. 5c.

**Colx Lachrymae** (Job's Tears). Thick fleshy stems 18 inches in height, with lance-shaped green leaves bearing clusters of hard seeds about the size of garden peas. H. A.  $1\frac{1}{2}$  feet. Per oz. 30c; pkt. 5c.

**Elymus Hystrix.** From the Crimea. Very odd. H. P. 4 feet. Per oz. 50c; pkt. 5c.

**Eragrostis Elegans** (Love Grass). Very pretty, about a foot high. Fine for bouquets. H. A. Per oz. 25c; pkt. 5c.

**Gynierium Argentum** (Pampas Grass). This produces the finest dried sprays, but is not hardy in our location, plants having to be taken up and wintered in a frost-proof cellar. Farther south the plants will live out if protected during the winter months. T. P. 4 feet. Per oz. \$1.00; pkt. 5c.

**Hordeum Jubatum** (Squirrel-Tail Grass). A hardy annual grass of strong growth, having large heads with quite long beard, resembling barley to a great extent. H. A. 2 feet. Per oz. 30c; pkt. 5c.

**Lagurus Ovatus** (Hare's-Tail Grass). An annual variety having soft, white, silky spikes of flowers with protruding awns. H. H. A. 2 feet. Per oz. 30c; pkt. 5c.

**Pennisetum Villosum.** Has beautiful crimson plumes. H. H. A. 3 feet. Per oz. 40c; pkt. 5c.

**Stipa Pennata** (Feather Grass). Has very graceful plumes. H. P. Per oz. 50c; pkt. 5c.

### SPECIAL MIXTURES OF FLOWER SEEDS.

**Flowers for Bouquets.** This mixture contains seeds producing flowers suitable for cutting for vases and bouquets, nearly all having long stems, and will furnish a constant supply of cut flowers through the entire season. Pkt. 10c.

**Wild Flower Garden.** Full of daily surprises and one who have never seen such a garden cannot form any idea of its possibilities. Nothing in the way of flowers delights children more than this "Wild Garden," chiefly because they can be allowed to pick their own bouquets without stint. Pkt. 10c.

**Mixture of Climbers.** A packet of seeds containing over twenty beautiful annual climbers, for covering outhouses, trellises, etc. Pkt. 10c.

**Mixed Everlastings.** A great variety of attractive Everlastings. Pkt. 10c.

**Mixed Ornamental Grasses.** Very pretty for making winter bouquets and in decorating. Should be cut while fresh and green and hung in a dry and airy place in the shade to dry. Pkt. 10c.

### TREE, HEDGE AND FRUIT SEEDS.

**Culture:** Sow early in spring, in well prepared beds, about two inches deep. When the seeds begin to germinate cover the beds lightly with pine boughs to shade the young plants from the sun. When the plants are all up, the brush should be gradually removed, but replaced before winter sets in. Let plants remain in beds for about two years, then transplant into rows about two feet apart, leaving twelve inches between each plant. Keep ground clear, and when plants are strong enough remove to their intended place.

ENGLISH NAME.	LATIN NAME.	Per Pkg	Per Oz.	Per $\frac{1}{4}$ lb.	Per 1 lb.
<b>EVERGREENS.</b>					
Cypress.....	Cypressus.....	\$0.05	\$0.30	\$0.90	\$3.00
European Juniper.....	Juniperus Communis.....	.05	.10	.40	1.00
Blue Spruce.....	Picea pungens.....	.10	.30	.90	3.00
Douglas Spruce.....	Picea Douglasii.....	.10	.30	.90	3.00
Norway Spruce.....	Picea excelsa.....	.05	.15	.40	1.25
Silver Fir.....	Picea taxifolia.....	.05	.20	.50	1.50
Austrian Pine.....	Pinus austriaca.....	.05	.20	.60	2.00
Scotch Pine.....	Pinus sylvestris.....	.05	.20	.60	2.00
White Pine.....	Pinus strobus.....	.05	.25	.85	3.25
<b>SHRUBS.</b>					
White Fringe.....	Chionanthus virginica.....	.05	.20	.60	2.00
Gold Chain Tree.....	Cytisus laburnum.....	.05	.15	.45	1.50
Lilac.....	Syringe vulgaris.....	.05	.20	.60	2.00
Whin or Furze.....	Ulex europaeus.....	.05	.15	.40	1.35
Snowball.....	Viburnum opulus.....	.05	.25	.90	3.25

#### FRUIT.

	Pkg	$\frac{1}{4}$ lb.	1 lb.		Pkg	$\frac{1}{4}$ lb.	1 lb.
Apple.....	\$0.05	\$0.20	\$0.60	Pear Seeds.....	\$0.05	\$0.60	\$1.90
Apricot Pits.....	.05	.20	.60	Plum Pits.....	.05	.20	.60
Cherry Pits.....	.05	.20	.60	Quince.....	.05	.60	2.00

**Note.** Owing to the many causes for failure in the germination of Tree Seeds, we wish it distinctly understood that we cannot be held responsible for any loss or damage arising from any failure thereof. Orders filled on above conditions only.

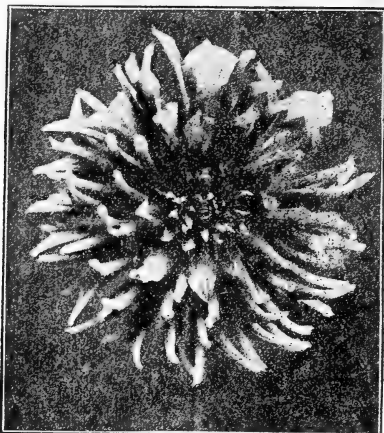
ENGLISH NAME.	LATIN NAME.	Per Pkg	Per Oz.	Per $\frac{1}{4}$ lb.	Per 1 lb.
<b>DECIDUOUS.</b>					
Tree of Heaven.....	Alanthus glandulosa.....	\$0.05	\$0.10	\$0.20	\$0.60
Box Elder.....	Acer negundo.....	.05	.05	.15	.35
Sugar Maple.....	Acer saccharinum.....	.05	.10	.30	1.00
European Birch.....	Betula alba.....	.05	.15	.40	1.50
Catalpa.....	Catalpa speciosa.....	.05	.10	.30	.90
European Ash.....	Faxinus excelsior.....	.05	.10	.35	1.00
White Mulberry.....	Morus alba.....	.05	.20	.60	2.00
Black Mulberry.....	Morus nigra.....	.05	.20	.60	2.00
European Basswood.....	Filla europaea.....	.05	.10	.30	1.00
<b>HEDGE.</b>					
Hawthorne.....	Crataegus oacantha.....	.05	.15	.50	1.50
Dog Rose or Briar.....	Rosa canina.....	.05	.10	.25	.75
Honey Locust.....	Gleditsia triacanth.....	.05	.10	.20	.50
Buckthorn.....	Rhamus catharticus.....	.05	.20	.60	2.00
Acacia.....	Robina pseudacacia.....	.05	.10	.20	.65

#### SMALL FRUIT.

	Pkg	Oz.		Pkg	Oz.
Currants Red.....	\$0.10	\$0.60	Grape.....	\$0.10	\$0.50
Currants White.....	.10	.60	Raspberry.....	.10	.60
Gooseberry.....	.10	.65	Strawberry, Alp.....	.10	.60

# DAHLIAS

## NOVELTIES OF SPECIAL MERIT.



**Oban**, Decorative. Very large, rosy lavender, overlaid delicate silvery fawn.

**Catherine Duer**, Decorative. Newport's fashionable flower, bright crimson scarlet.

**Eureka**. The only large and perfectly formed deep clear rose in the decorative class.

**Mrs Winters**, Decorative. Very large, finely formed, pure snow white. Best of its class.

**Sylvia**, Decorative. Of fine form and full to the center, which is white shaded to pink on the outer petals.

**Countess of Lonsdale**, Cactus. Extremely profuse bloomer. A pleasing blending of amber and salmon pink.

**General Buller**, Cactus. Deep, rich velvety maroon, tipped white, long stiff stems, keep long after being cut.

**Jealousy**, Cactus. Purest pale canary yellow, without shade or blemish.

**Kiemhilde**, Cactus. A delicate shell-pink shading to white in center; most perfect in shape.

**Mrs. H. J. Jones**, Cactus. The flowers are perfectly full to the center. The incurved portion of the petals is deep crimson, a broad stripe of white running through center.

**Siegfried**, Cactus. Beautiful rich cream-white, large size, twisted incurved petals.

**Winsome**, Cactus. The finest white cactus to date. Flowers very large.

**Arabella**, Show. Very fine form, pale primrose tipped and shaded old-rose and lavender.

**Storm King**, Show. The finest of all white show-dahlias. An extremely early and constant bloomer.

**Twentieth Century** (Single). Intense rosy-crimson, tipped with white and having a white band around the disk.

Price of the above named Novelties: Each 25c; dozen \$2.50, postpaid.

## STANDARD DAHLIAS.

Each 15c; Dozen \$1.50, Postpaid.

### CACTUS DAHLIAS.

**Earl of Pembroke**. Bright, plum, deeper and more velvety toward the center.

**Keynes White**. A fine pure white.

**Standard Bearer**. Brightest scarlet, of dwarf and branching habit.

### DECORATIVE DAHLIAS.

**Admiral Dewey**. Brilliant imperial purple.

**Clifford W. Bruton**. The best yellow, immense size.

**Lindhurst**. Bright scarlet, good for cutting.

### POMPON DAHLIAS.

**Alewine**. White flushed pink. **Little Herman**. Deep red, tipped white. **Snow Clad**. Finest White.

### SHOW AND FANCY DAHLIAS.

**A. D. Livoni**. Beautiful soft pink. **Red Hussar**. Intense scarlet-crimson. **Progress**. Clear soft, rosy lake, penciled and spotted glowing crimson.

## SUMMER FLOWERING BULBS

### CALADIUM ESCULENTUM.

**Elephant Ear**. Magnificent sub-tropical plants; when planted out in beds or as single specimens on lawns they have a grand appearance. Set out in the latter part of May or the beginning of June.

**Mammoth bulbs**, 20c each; per dozen \$2.00; by mail, 8c each extra.

**Second size bulbs**, 2½ to 3 inches in diameter, 15c each; per doz. \$1.25; per 100 \$7.00; by mail, 4c each extra.

**Third size bulbs**, 1½ to 2½ inches in diameter, 10c each; per doz. \$1.00; per 100 \$5.00; by mail, 3c each extra.

### TUBEROSES.

One of the most charming and fragrant of our summer flowering bulbs. Plant in the open ground during May. By starting in pots during March, a succession of bloom can be had all summer.

**Excelsior Pearl Bulbs**. First quality, by mail, 3 for 12c; per doz. 35c; by express, purchaser paying charges, 3 for 10c; per doz. 25c; per 100 \$1.75.

### LILIES.

Plant in a well-drained good garden soil, covering the bulbs to a depth of nine inches. At the time of planting cover all sides of the bulb with good, clean sand, after which fill up with ordinary soil.

**Auratum** (Golden Banded Japan Lily). Flowers pure white; gold band through center of petal; beautifully spotted chocolate crimson; June to October. Large bulbs, each 15c; per doz. \$1.50.

**Auratum**. Extra large bulbs, each 20c; per doz. \$2.00.

**Speciosum Album**. White Japan Lily, extra large bulbs, each 20c; per doz. \$2.00.

**Speciosum Roseum** (Rubrum). Rose Spotted Japan Lily. Extra large bulbs, each 20c; per doz. \$2.00.

**Speciosum Melopomene**. Rich crimson, heavily spotted, each 20c; per doz. \$2.00.

One bulb each of the beautiful Lilies Auratum, Roseum and Album, 3 in all, Free by Mail, for 50c.

Single Bulbs and Dozen Lots Mailed Free. 100 Lots by Express, Purchaser's Expense, or by Mail for 50c per 100 Extra.



GLADIOLI.

The Gladiolus is unquestionably the peer of all the summer-flowering bulbs. Nothing can surpass the stately grandeur of their magnificent spikes of flowers. They are of the most varied colors. Plant in May and June in any good garden soil, 6 inches apart and 4 inches deep. Planted on the edges of shrubbery or in Rose beds they make a very handsome show.

	Each.	Doz.	100.
Pink Shades .....	\$0.05	\$0.35	\$2.25
Striped and Variegated.....	.05	.40	2.50
Scarlet and Red Shades.....	.05	.35	1.80
Yellow Shades .....	.05	.50	2.50
White and Light Shades.....	.05	.50	3.25
All Colors Mixed.....	...	.30	1.75

Special offer of the above 5 shades, 1 dozen each, all separate, by mail, for \$2.00.



# ROSES AND FLOWERING PLANTS.

All plants sent out are as large as can be safely packed and sent by mail. Notwithstanding the large number of plants which we have forwarded in mail bags, no complaint has ever reached us with regard to the size of the plants. The instances have been rare when packages went astray or arrived other than in good order.

**Postage Paid** At prices given we mail all plants (except such as from their size or otherwise are unavailable, and so stated) and prepay the postage, thus making delivery to your postoffice—often to your door.



## THREE SOUPERT ROSES. 28c Postpaid.

**Clothilde Soupert.** The best rose known for bedding and pot culture; color a French white, deepening to a rosy-blush in the center.

**Mosella (Yellow Soupert).** A dwarf bushy grower, flowers very double and of camellia-like form.

**Pink Soupert.** A lovely ever-blooming rose, perfectly full and double, color fine rose-pink.

## THE "EVERBLOOMING LA FRANCE" COLLECTION.

### Four Beauties for 35c Postpaid.

**La France (Pink La France).** The sweetest of all Roses, perfect, full, globular flowers; silvery rose, passing to pink.

**Duchess of Albany (Red La France).** Like its famous parent except in color, which is three or four shades darker, a wonderful deep rose pink.

**Champion of the World.** Flowers of large size; color a clear deep pink; one of the best for outdoor cultivation.

**Princess Bonnie.** A richer, deeper crimson was never seen in a rose, while its fragrance is as delicate as that of La France.

## "TWENTIETH CENTURY" COLLECTION.

### Five Magnificent New Roses, for 50c Postpaid.

**Clio.** The finest flesh colored hybrid perpetual. The flowers are simply perfection in form with fine broad petals, and are beautiful at all stages of development; color, delicate satin blush with a shading of rose pink at center. Free blooming and strong healthy grower.

**Margaret Dickson.** The flower is of magnificent form, very double and the color is a waxy white; petals are large shell shaped and prettily curled back; very beautiful.

**Frau Karl Druschki.** Snow Queen or White American Beauty. (Hybrid Perpetual). Strong growing, branching freely; it has the hardness of an oak. Flowers of immense size. Snow white.

**Mrs. R. G. Sherman Crawford.** Color is a deep rich pink, outer petals tinted with pale flesh; flowers are large, full, very fragrant and unique.

**Marchioness of Lorne.** Large, full, cup-shaped, buds long and handsome, rich shining rose color with vivid carmine; hardy, fragrant.

Any of the above, each 12c; 3 for 32; 5 for 50c.

**How to Order** We would consider it a favor to have orders for plants written either on the back of our order sheet or on a separate slip. When mixing up among seeds a delay is caused in the execution of your order.

## ROSE COLLECTIONS.

When Ordering Simply Give Name of Collection.

### THE "INTERNATIONAL" COLLECTION.

#### Six Superb Roses for 50c Postpaid.

**Etoile de France.** A grand, new, velvety crimson Rose, hardy and everblooming. The flowers are very large, petals of splendid substance, magnificent cupped form, very full and expanding freely; color, superb velvety crimson, the center of the bloom a vivid cerise.

**Etoile de Lyon.** This magnificent Tea Rose is a rich golden-yellow, a strong, healthy and vigorous grower, immense bloomer, bearing flowers and buds early and late. The flowers are very deep, rich and full, excellent substance, very sweet.

**Gruss an Teplitz (Greeting from Teplitz).** Splendid new red Everblooming Rose. This, the reddest of all red roses, is to the amateur, who has no greenhouse and depends on his garden for flowers, one of the most important varieties yet introduced.

**Kaiserin Augusta Victoria.** This beautiful Rose has not only a royal name, but is a royal Rose as well. Color, pure white, very double.

**Killarney.** Flowers are rich, rosy pink and very large. Plant: A vigorous grower, free bloomer, and entirely hardy in vicinity of New York City or farther South.

**Wellesley (Hybrid Tea).** A seedling of "Liberty," crossed with "Bridesmaid," retaining the form of "Liberty" with the fullness of "Bridesmaid," and in color is a beautiful shade of pink.

### THE "WEDDING BELLS" COLLECTION.

#### 28c Postpaid.

Three Superb Everblooming Roses—White, Pink and Red. The Finest of All for Cut FLOWERS.

**The Bride.** White Tea Rose. This is decidedly the most beautiful white Tea Rose. The flowers are very large and double, on long stiff stems of fine texture and substance.

**Bridesmaid.** Pink Tea Rose. The bud is of exquisite shape and contour, so solid and firm, and the stems are so long and stiff that no other rose will compare with it in keeping qualities after being cut.

**Richmond.** The everblooming Gen. Jacqueminot. This new Hybrid Tea Rose is one of the most valuable introductions of recent years. It is as free blooming as Bridesmaid or Golden Gate, and its scarlet-crimson flowers are borne on fine, long stems.

## THE "EXHIBITION" COLLECTION.

### Four Hardy Pink Roses for 40c Postpaid.

**Anna De Diesbach.** Bright carmine sweet.

**Mme. Gabriel Luizet.** A clear rose, shaded lavender and pearl.

**Magna Charta.** Dark pink, double and full.

**Mrs. John Laing.** Immense flowers. Double clear bright shining pink.

Any of the above, each 12c; 3 for 32c; 6 for 60c.

## THE "IN REMEMBRANCE" COLLECTION.

### Three Hardy White Roses for 32c Postpaid.

**Coquette Des Alps.** White, tinged blush, fine.

**Coquette De Blanches.** White, tinged with pink, free flowering.

**Madame Plantier.** Pure white, a profuse bloomer. This is a splendid cemetery rose, unlike the other varieties it should never be pruned.

Any of the above, each 12c; 3 for 32c; 6 for 60c.

## THE "BIG FOUR" COLLECTION.

### Four Hardy Red Roses for 40c Postpaid.

**Alfred Colomb.** Crimson, large, fragrant flowers.

**Gen. Jacqueminot.** Bright crimson. A universal favorite.

**Gen. Washington.** Red, shaded with crimson, flower flat.

**Ulrich Brunner.** Cherry red flowers, beautifully shaped buds.

Any of the above, each 12c; 3 for 32c; 6 for 60c.



Crimson Rambler.

**Dorothy Perkins.** The new hardy climbing Rose. It is justly called the "Pink" Crimson Rambler, and is a beautiful companion to this well known favorite. This lovely Rose is the latest addition to our splendid list of Hardy Climbing Roses. We really can say no more in its praise when we state that it is just like the well known Crimson Rambler, except in color, which is a most beautiful shell-pink.

**Queen of the Prairies.** Clear, bright pink, sometimes with a white stripe, large, compact and globular, very double and full; blooms in clusters, one of the finest.

## Moss Roses.

**Blanche Morreau.** This fine variety is highly recommended; flowers are produced in clusters, and are large, full and sweet; the color is pure white; both flowers and buds have an abundance of lovely deep green moss.

**Crimson Globe.** A fine deep crimson, the flowers having the handsome globular shape characteristic of the H. P. varieties. Buds well mossed, very free flowering, vigorous and hardy.

**Princess Adelaide.** One of the best; extra large flowers; very double and fragrant; buds beautifully mossed; color bright rosy pink.

Price of Moss Roses, each 15 cts. Three (one of each) for 40 cts.

## Five Royal Rambler Roses.

12 cts. Each, or One of Each, Five in All, for 50c, postpaid.

Rose Growers everywhere will hail with delight the announcement that we have to offer them as companions to the famous Crimson Rambler four other distinct colors of Rambler Roses. They are all hardy, and the most charming of all Climbing Roses.

**CRIMSON RAMBLER.** An exceedingly vigorous, rapid grower, making shoots 10 to 20 feet in height in one season. When pegged down or grown as a bush it is equally desirable, producing in marvelous profusion large trusses of flowers pyramidal in form, and in color a rich glowing crimson. When in full bloom it is a vivid crimson mass of beauty. In Japan, its native home, it is known as the "Cherry Rose," so bright are its flowers.

**HELENE.** A seedling from Crimson Rambler. Makes a growth of 10 to 15 feet in a season. Foliage similar to Crimson Rambler, but less subject to mildew and insect attacks. Its flowers are borne in large clusters and are produced in amazing profusion. Color, soft violet rose, almost blush, base of petal yellowish white. The buds are carmine, finely massed, and are borne 20 to 25 in a cluster.

**PHILADELPHIA.** It blooms in grand clusters. Flowers 2 to 2½ inches across, perfectly double to the center; excellent substance and very durable. Color pure deep rich crimson, far brighter and more intense than any other rose of its class. Has handsome foliage, does not mildew, and is an early and abundant bloomer. Undoubtedly the brightest and best of all Hardy Crimson Climbing Roses to date. Perfectly hardy, needs no protection.

**WHITE RAMBLER, (THALIA).** This charming new rose of the Rambler variety is a wonder. It climbs rapidly, is entirely hardy, produces immense clusters of pure white roses, nearly double, of delightful fragrance, and of an immaculate white.

**YELLOW RAMBLER, (AGLAIA).** The Yellow Rambler has been found to successfully withstand, without protection, a continued temperature of from zero to two degrees below.

## Three New Climbers.

Each 12c; 3 for 30c, postpaid.

**Lady Gay.** A perpetual source of wonder, yielding huge trusses of pink flowers.

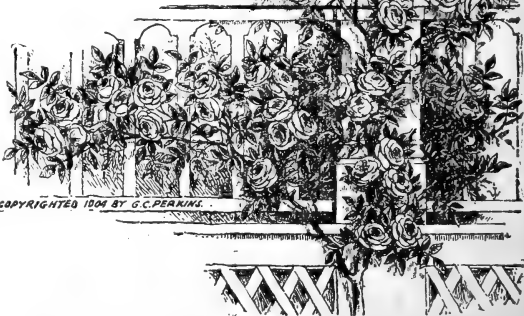
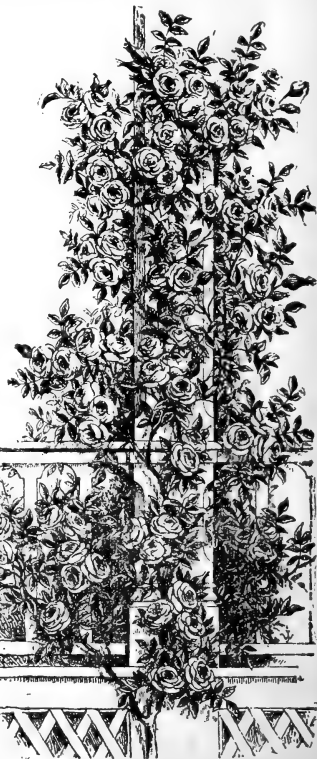
**Hiawatha.** Flower of a striking ruby-crimson with white centers. The blossoms are single, but are so freely produced as to completely cover the plants.

**Minnehaha.** A charming double satiny-pink flowering Rambler. Flowers borne in large clusters, foliage very glossy.

## Hardy Climbing Roses

12 cts. each; 3 for 30 cts., postpaid. One of each, seven in all, for 65 cts., postpaid.

**Baltimore Belle.** Pale blush, variegated carmine, rose and white; very double; flowers in beautiful clusters, the whole plant appearing a perfect mass of bloom; one of the best climbing roses.



COPYRIGHTED 1904 BY G.C. PERKINS

**HOUSE AND BEDDING PLANTS****ASPARAGUS PLUMOSA.**

(Climbing Lace Fern.)

An exceedingly beautiful plant for house or conservatory, and will thrive nicely in the temperature of an ordinary living room. Entirely unequalled for grace and beauty of its lovely, spray-like fronds. Each, 15c; 3 for 40c; postpaid.

**ASPARAGUS SPRENGERII.**

(Emerald Feather Asparagus.)

This is undoubtedly one of the handsomest and most valuable evergreen trailing plants for the house and conservatory ever introduced. It makes a charming ornamental plant for the window or conservatory in winter, and is equally valuable for vases, baskets, porch-boxes in summer. Each, 15c; 3 for 40c; postpaid.

**NEW CANNAS.**

Price for dormant roots, 15c; 3 for 40c; dozen for \$1.50, postpaid. Can be furnished up to about May 1st.

**Allemanina** (4-6 ft. high). Rich, orange red with golden-yellow border dotted with orange-red spots.

**Betsy Ross** (3 ft.). Rose pink.

**David Harum** (3-3½ ft.). Strong, dark bronze growth; one of the freest blooming cannas of its type; bright orange-scarlet.

**Dr. Nansen**—Clear, deep yellow.

**Florence Vaughn** (3-4 ft.). Golden yellow, spotted with crimson.

**Gladiator** (5-6 ft.). Very effective on account of its tall growth and its striking yellow flowers, marked with crimson dots.

**Louisiana** (6-7 ft.). Brilliant scarlet.

**Mont Blanc** (3-4 ft.). Snow-white. 30 cts. each.

**Papa Nardy** (3-4 ft.). Large, broad-petaled flowers, rosy red to cerise.

**NEW CARNATIONS.**

**Boston Market.** A remarkably free flowering white variety. By commercial growers in many sections it is being grown to the exclusion of all other white varieties.

**Cardinal.** A bright crimson with flowers of an enormous size. This new Carnation has taken several prizes in the latest shows.

**Eldorado.** Light clear yellow, petals edged with a narrow band of light pink. A strong, vigorous grower with fine healthy foliage.

**Enchantress.** This is truly a queen among carnations. The color is a beautiful shade of light silvered pink, deepening toward the center. The flower is enormous—three and a half to four inches in diameter.

**NEW CARNATIONS.**

**G. H. Crane.** Color, a flaming scarlet. Growth strong and hardy. Fine large flowers on strong, stiff stems.

**Lady Bountiful.** Pure white, 3½ inches across stems, 2½ inches high, plants in bloom the whole season.

**Mrs. Thomas Lawson.** Is said to have been sold for thirty thousand dollars. The size is enormous, stems stiff. Color a true pink.

**Queen Louise.** Best pure white carnation, is a great summer bloomer, producing large flowers the entire season. Each 12c; 3 for 30c.

**The Premier Quartet of Carnations.**

for 40c postpaid.

**G. H. Crane.** The best red.

**Mrs. Thos. Lawson,** The best pink.

**Boston Market,** The best white, **Eldorado,** The best yellow.

**NEW CHRYSANTHEMUMS.**

**Black Hawk.** The largest and most beautiful dark crimson-scarlet yet introduced. Looks like crimson velvet; the very shade so much desired in Chrysanthemums.

**Col. D. Appleton.** After thorough tests this new Chrysanthemum has proved to be one of the finest yellows ever sent out. It is an ideal exhibition variety, with flowers of immense size, measuring 22 inches in circumference and of great depth.

**George W. Childs.** The flowers are of massive size, reflexed, with broad, stiff petals; color deep, rich, velvety crimson, with no shade of brown or chestnut.

**Glory of the Pacific.** This fine variety will rank as the very best of early pink sorts. It is of magnificent size and depth, with broad petals. The plant is of dwarf, compact growth.

**Maud Dean.** An immense pink variety; finely incurved; petals broad, shell-shaped. One of the largest flowers exhibited in the fall shows. Almost a pure shell pink.

**Major Bonaffon.** Color soft, clear yellow, very full globular-shaped flower, 6 to 7 inches across.

**Mrs. Henry Robinson.** In the entire Chrysanthemum family there is no grander white variety; it is of the most popular style—immense incurving, broad-channeled petals and the purest white.

**Mrs. Jerome Jones.** Large creamy-white incurved Japanese, sometimes showing a tinge of pink; aigh, round flower. One of the best Chrysanthemum flowers up to date.

Price of Chrysanthemums, 12c each; 3 for 30c, prepaid.

**The Big Four of Chrysanthemums, for 40 cts. postpaid.**

**Glory of the Pacific,** the best pink.

**Black Hawk,** the best red.

**Major Bonaffon,** the best yellow.

**Polly Rose,** the best white.



# GERANIUMS

The improvement in the Geranium, both in the size of the individual flower and the truss, is wonderful when compared with the flower of a dozen years ago.

Price, 12c each, 3 for 30c, postpaid.

## DOUBLE.

**Beaute Poltevine.** Best salmon geranium for bedding purposes; most profuse bloomer of all geraniums. Largest size trusses, borne on long foot stalks; florets very large, of a beautiful, brilliant salmon.

**Countess of Harcourt.** Pure snow white. A grand bedder. Florets large and beautifully formed. Extremely free in bloom, forming a bank of white.

**Jean Viaud.** A great favorite as a bedding and pot plant. The flowers are simply immense in size, borne on long, strong stems well above the foliage. The color is a clear rosy pink with a distinct white eye, flowers semi-double.

**S. A. Nutt.** The best crimson bedding geranium. This, the finest of dark crimson geraniums, has now taken the lead as a bedding variety. As a pot plant it cannot be excelled.

## SINGLE.

**Clyde.** A sprout from Mrs. E. G. Hill, in every respect like its parent, except color, which is pure scarlet. Floret  $2\frac{1}{2}$  to 3 in. in diameter. Trusses 14 to 16 in. in circumference. A grand bedder, also a fine pot plant.

**L'Aube.** Enormous size trusses, large round florets, pure snow-white, retaining its pureness the entire season.

**Mrs. E. G. Hill.** For those unacquainted with the variety, we would say it is a most distinct and pleasing shade of salmon, with light shading to the center. The finest-salmon-flowered geranium to date. One of the freest bloomers, continually covered with flowers.

**Rose-scented Geranium.** A favorite old plant quite indispensable for the window gardens. Grown for the delightful fragrance of its foliage and most useful in making bouquets.

**Ivy-Leaved Geranium.** Galilee. Should be planted even more than at present for there is nothing more desirable for baskets, vases, or for any purpose where a trailing or climbing plant may be used. Rich, deep pink; large flowers of good substance and not only flowers in summer but it makes a beautiful plant for the window in winter.

## HELIOTROPE.

One of the finest class of plants for cutting, as the delicious fragrance of all the varieties is very durable. For the same reason they make excellent house plants.

**Madam Bruant.** One of the finest varieties. Plant of dwarf habit and vigorous grower.

**Snow Wreath.** The nearest approach to pure white yet attained, a splendid bedding sort.

Each 12c; 3 for 30c, postpaid.



Coleus.



Geranium.

## SALVIA.

Also known as flowering sage, growing about 2 to  $2\frac{1}{2}$  feet high and 2 feet through, producing through the entire season its brilliant spikes of flowers, which are borne well above the foliage.

**Splendens.** A brilliant scarlet.

Each, 10c; 3 for 28c, postpaid.

## COLEUS.

We offer a very fine variety of Coleus and they are delicate colors very hard to describe in the various tints.

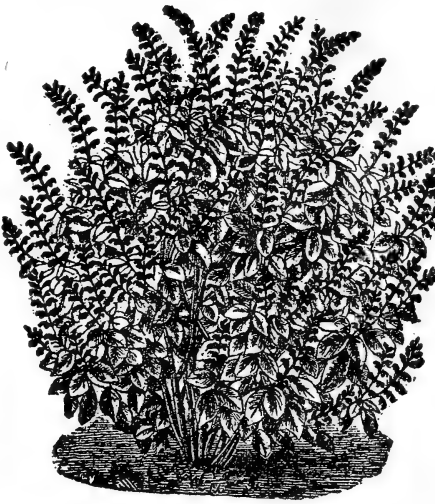
**Golden Bedder.** Deep golden yellow variety.

**Fire Brand.** Dark crimson, shaded garnet; a fine bedder.

**Verschafeltii.** This is one of the best for bedding, having a rich velvety, crimson foliage.

**Queen of the West.** Leaf large and slightly serrated, band of bright green with margin of yellow, center wedge creamy white.

Any of the above, each 12c; 3 for 30c, postpaid.



Salvia Splendens.

## FUCHSIA.

### SINGLE.

**Little Beauty.** A perfect gem; marvelously free-flowering. Flowers  $1\frac{1}{2}$  inches long; bright red tube and sepals; corolla rich purple.

**Black Prince.** Blossoms of a beautiful waxy-carmine or pink color; it makes a shapely bush, is robust in growth.

### DOUBLE.

**Gigantea.** The tube and sepals carmine; corolla a beautiful shade of light magenta.

**Mrs. E. G. Hill.** The most perfect double white Fuchsia yet introduced. Tube and sepals bright reddish crimson, contrasting with the large, pure white corolla to great advantage.

**Phenomenal.** Sepals bright carmine; corolla violet-purple; flowers large.

**Glaire des Marches.** The finest double white Fuchsia; makes a neat compact plant, branches freely.

Any of the above, each 12c; 3 for 30c, postpaid.

## PETUNIA.

Plants of the earliest culture, producing flowers in great profusion. Excellent for bedding and pot culture. They are among the most desirable plants we have. Our collection embraces a number of beautiful colors.

**Double Crimson.**

**Double Pink.**

**Double Maroon.**

**Double White.**

**Double Variegated.**

Each, 12c; 3 for 30c, postpaid.

## UMBRELLA PLANTS.

(Cyperus Alternifolius.)

This plant is of the easiest culture and a large specimen is as handsome as a palm for decoration. It makes a handsome pot plant, or it can be used in baskets or vases, making a charming effect.

Each, 12c; 3 for 30c, postpaid.



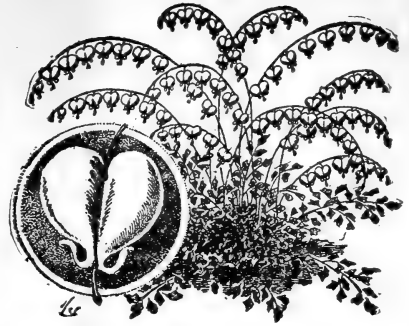
# Hardy Perennial Plants.

Plants of this class are perfectly hardy in the open ground; they die down to the ground, but only to the ground, in the winter; once planted they are a lasting pleasure. Failure with them is practically impossible. Orders should reach us by April 15th, though in some seasons we can continue to supply this stock up to May 1st.

## BLEEDING HEART.

(Dicentra Spectabilis.)

One of the finest plants known for borders, pots or for planting in any sunny situation. If potted in November and left outside until it has formed new roots, and then brought into gentle heat, it will flower early in March. The beautiful rose-colored flowers are produced in great abundance and are heart-shaped. When planted in the open ground it flowers in April and May. Absolutely hardy. Strong roots. Each 15c; 3 for 40c, postpaid.



Bleeding Heart.

## DOUBLE HOLLYHOCKS.

The most majestic of all hardy herbaceous plants, always attracting attention. Should be in every garden and dooryard, no matter how small. For planting in masses by itself, or as a background for lower growing plants, the Hollyhock cannot be dispensed with—an old-fashioned plant coming into general use again. We offer only the finest double varieties in white, pink, red and yellow. 12c each; 3 for 30c, postpaid.

## LILY OF THE VALLEY.

The exquisite white flowers and pale-green foliage render this one of the most admired of plants. Succeeds in open ground in almost any situation, but prefers shade with plenty of moisture; once planted and established, the crowns increase each year. The larger ones flower each season without any attention. Strong flowering crowns. 6c each; 6 for 30c; 12 for 50c, postpaid.



Japanese Iris.

## JAPANESE IRIS.

(Iris Kaempferi.)

These magnificent Iris are among the most beautiful of our summer-flowering plants, and are destined to become more popular every season. They commence blooming about the middle of June and continue in bloom for five or six weeks. Many of these flowers measure from ten to twelve inches in diameter, and rival the Orchids in their rich colorings and markings. 12c each; 3 for 30c.

## BURBANK'S NEW "SHASTA DAISSY."

The newest giant Daisies are among the very best production of Mr. Luther Burbank and surpass his earlier creations, bearing only a slight family resemblance to the common daisy. The new Shasta Daisies often measure four and five inches across and are borne on stems two to three feet long. They succeed anywhere and in hot and cold locations, blooming throughout the season in great profusion. 12c each; 3 for 30c, postpaid.

## NEW DOUBLE RUDBECKIA.

### Golden Glow.

This is one of the grandest hardy yellow flowering plants ever introduced, particularly valuable for garden, lawn and park planting; grows six to eight feet high; graceful branching habit, and pretty foliage. Blooms during July and August the first season, and bears immense masses of large, round, golden yellow flowers, perfectly double like roses and two or three inches across, covering the whole plant with a sheet of splendid golden yellow flowers for weeks. Each 10c; 3 for 25c, postpaid.

## HARDY PERENNIAL PHLOX.

Among hardy herbaceous plants none are more gorgeous and more easily grown than these. They are perfectly hardy, succeeding in any garden soil, and producing magnificent spikes of showy and lasting flowers year after year with comparatively little care. The varieties we offer are among the finest in cultivation and comprise the best and most distinct colors. Height one to two feet.

Price: Dormant roots, by mail postpaid, each 15c; 6 for 80c; dozen for \$1.50, postpaid. Orders must be received not later than May 1st.

**August Riviere.** Fine bright red.

**Coccinea.** Glowing Scarlet.

**Coquette.** White, with crimson eye.

**Cross of Honor.** White, with band of rosy lilac in center of each petal, forming a Maltese cross.

**Eclairer.** Reddish carmine, with darker eye.

**Edgar Quinet.** Rosy amaranth.

**Isabey.** Orange salmon; center purplish crimson.

**Lothair.** Soft carmine pink; rosy eye.

**Madame Bezanson.** A splendid deep crimson.

**Pantheon.** Fine deep salmon rose; very free flowering.

**The Queen.** Pure white.



Perennial Phlox.



### ALTHEA (Rose of Sharon).

The Altheas are fine, free-growing, flowering shrubs of the easiest cultivation. They produce a profusion of pretty rose-like flowers during August and September, when other flowers are scarce. The diversity of color of the different sorts makes it possible to use them in considerable quantities even in grounds of small extent. They make very pretty flowering hedges.

**Double red, double purple, double white.**  
**Price, 12 cts. each; the three (one of each) for 30 cts., postpaid.**

### BUSH HONEYSUCKLES.

**Red Tartarian.** Well known and popular shrub for the lawn or garden. Blossoms in May and June.

**White Tartarian.** Like the preceding, but with white blossoms.

**12 cts. each; the two for 20 cts., postpaid.**

## HARDY CLIMBING VINES.

### AMPELOPSIS.

(Boston Ivy, Japanese Woodbine.)

**The NEW AMPELOPSIS. Ampelopsis Veitchii Robusta Purpurea.** The leaves have a blue-purple tinge with a shining gloss finish, having all the other characteristics of the well known Boston Ivy. It will make double the growth of the Veitchii and stands our winters better. **Price, 20c; 3 for 50c. postpaid.**

### CLEMATIS.

**The Queen of Climbing Plants.**

They may be planted at any time. The ground should be dug deeply and well manured.

**Madame Edouard Andre.** Also of the Jackmanni type and is the nearest approach to a bright red that has yet appeared. The flowers are very large, usually six petaled.

**Madame Baron-Veillard.** Resembles the popular Jackmanni in habit and make-up, except that its flowers are a lively, satiny lavender pink.

**Jackmanni.** The flowers are large, intense, rich, velvety violet purple, and are produced in such masses as to form a cloud of bloom.

**Henry.** A vigorous grower producing large, pure white flowers.

**Paniculata.** Small pure white flowers, borne in great masses.

**Duchess of Edinburgh.** One of the best double white, of vigorous habit, very free of bloom and deliciously fragrant.

**Ramona.** Lavender blue, flowers large, often nine inches across. Most beautiful of its color yet known.

**Price of Clematis:** 15c each; 3 for 35c; the 7 varieties, 1 of each, 80c, postpaid.

### HARDY ENGLISH IVY.

A hardy, evergreen, climbing vine, with dark glossy green leaves. Useful for covering walls of churches, etc., and for cemetery work in covering graves, especially if in the shade where grass will not succeed very well. **Each 12c; 3 for 30c; dozen \$1.00.**

## HARDY FLOWERING SHRUBS

Shrub orders must reach us not later than April 15th, as the plants will commence growing soon after that date and then could not be successfully handled.

### Hydrangea, Paniculata Grandiflora.

(The Hardy Hydrangea.)

One of the finest hardy shrubs ever introduced, and in size and magnificence of bloom not excelled by any shrub in cultivation. The bush in time attains a large size, growing in beauty year by year.

**Each, 10c; 3 for 27c, postpaid.**

### Everblooming Snowball Hydrangea.

A new and valuable hardy shrub.

Few of our native garden shrubs are so attractive in habit and elegance of foliage. The flower is very like the Greenhouse Hydrangea and pure white.

**30c each, postpaid.**

### SPIREA.

**Bumalda.** Dwarf. Rose colored.

**Callosa Alba.** Dwarf. Color white.

**Prunifolia.** (Bridal Wreath.) Double, pure white.

**Anthony Waterer.** Bright crimson.

**Van Houttei.** A pure white.

**Each, 12c; 3 for 35c, postpaid.**

### SYRINGEA.

**Garland.** Pure white. Flowers highly scented.

**Aurea.** (Golden.) Has golden yellow foliage.

**Each, 12c; 3 for 30c, postpaid.**

### WEIGELIA.

A strong vigorous growing shrub for single lawn specimens or for massing with other varieties.

**Candida.** Light green foliage, snow white flowers.

**Eva Rathke.** Flowers a deep rich crimson. A profuse bloomer.

**Rosea.** Large, rose-colored flowers.

**Variegata.** Leaves green, with a broad, distinctly defined margin of white around each. Blush color.

**Each, 12c; 4 for 40c, postpaid.**

### HONEYSUCKLES.

For real handsome vines to be near you, climbing over your windows and doorway, there is nothing prettier than the sweet scented Honeysuckle. The foliage is pretty, neat and clean, the flowers almost continuous and their fragrance delicious.

Some of our friends have conceived the idea of planting Honeysuckles along the division fences, and it is wonderful what pretty hedges they make.

The varieties described below are the very best.

**Chinese.** (Lonicera Sinensis.) This variety has reddish green foliage, and reddish flower buds, which when expanded, creamy white petals are displayed.

**Hall's Japan.** A strong growing, almost evergreen sort, with pure white flowers changing to yellow.

**Monthly Fragrant.** Red and yellow, very fragrant, leaves tinged with reddish color.

**Scarlet Trumpet.** Bright red trumpet-shaped flowers. **Each, 12c; 3 for 35c; the 4 varieties, 1 of each, for 40c, postpaid.**

### PASSION FLOWER.

(Passiflora Incarnata.)

A strong growing, vigorous climber, making a fine covering for porches and verandas. Flowers 2 to 3 inches across, white with light purple corona. In the North roots should be dug up and placed in the cellar until spring.

**Each, 12c; 3 for 30c; dozen, \$1.00, postpaid.**

### WISTARIA.

A vigorous, hardy and rapid grower, particularly valuable for training over buildings, second floor verandas and wherever tall-growing climbers are wanted. The flowers are borne in long pendulous clusters and are deliciously sweet.

**Chinese Purple.** A lovely rich violet purple. **Each, 12c; 3 for 30c; dozen, \$1.00, postpaid.**

**Chinese White.** A pure white flower. **Each, 16c.**

No Charge for Packing.

# NURSERY STOCK

No Charge for Packing.



## PLUMS.

A profitable market fruit of easy cultivation and salable. The following are well tried and selected sorts.

**Fine Healthy Trees.** 5 to 6 ft. 75c.; 6 for \$4.20; \$7.80 per doz.

### AMERICAN VARIETIES.

**Wolf.** Medium size, fine for cooking. A free stone. Tree good grower and hardy.

**Hawkeye.** Very large, color light mottled red flesh yellow juicy and pleasant. Tree very vigorous.

**De Soto.** At the head of the list for hardiness, size and productiveness. Ripens in September and is of excellent quality. The best for the Northwest.

### EUROPEAN VARIETIES.

**Lombard.** Quite large, violet, red, flesh yellow, juicy and sugary. A great bearer.

**Moore's Arctic.** An eastern product; large crop, medium size, purple.

### JAPANESE VARIETIES.

**Abundance.** Tree, a strong and handsome grower, thrifty and hardy. Commences bearing young and annually produces large crops of showy fruit in great abundance. Shape, oblong; skin, bright red; flesh, yellow. Ripens in August.

**Burbank.** Large, nearly globular. Cherry red, flesh orange yellow and sweet.

## PEARS.

While we do not recommend pears for general cultivation in the Northwest, there are many localities where they do well however, and in such localities it will certainly pay to plant a few trees. The following are among the most reliable.

**Our Stock is First-Class.** 5 to 7 feet, 60 cts each; \$3.30 for 6, \$6.00 per dozen.

**Flemish Beauty.** A large, beautiful, melting sweet pear. Tree hardy and vigorous. September and October.

**Kellogg's Hybrid.** Fruit is of good quality when thoroughly ripe. Valuable for either table or market. Does not blight easily. Tree in itself is very ornamental, heavy and early bearer.

**Wildcr.** Ripens about the first of August. Fruit small to medium. Very good quality.

**Vermont Beauty.** New. Fruit medium size, roundish in shape and skin yellow with deep shading of carmine. Quality very good. October.

Please order early. Make out your list today. We will ship your stock just as soon as soil and weather permits, and notify you when we have done so.

Orders for less than one dozen trees to one person not accepted.

It costs US as much to pack one tree as it does a dozen.

It costs YOU as much Express for one tree as it does a dozen.

We supply six at dozen, twenty-five at hundred rates.

Packing and delivery to railroad depot or express office free of charge. For light shipments we advise express; larger quantities or heavier packages generally go safely by freight. Purchaser pays transportation charges.

We shall be pleased to quote prices on different sizes, larger quantities, or other nursery stock than herein named. In corresponding, please state definitely size and number required.

## APPLES.

The first fruit, both in importance and general culture is the apple. By planting judicious selections of summer, fall and winter sorts, a constant succession can be had.

**Our apple trees are especially fine.** 4 to 5 ft. high, each, 25c.; doz., \$2.40; 100, \$15.00. 5 to 7 ft. high each 35c., doz. \$3.50, \$25.00 per 100.

### SUMMER VARIETIES.

**Yellow Transparent.** Of Russian origin, succeeds everywhere, medium size, pale yellow and of good quality. July.

**Red Astrachan.** Large, roundish, nearly covered with deep crimson. Juicy, and a good bearer. August.

**Duchess of Oldenburg.** A large, beautiful apple, roundish. Streaked red and yellow. Tender and juicy. Very hardy. September.

### AUTUMN VARIETIES

**Snow.** A round, medium sized apple, crimson and very juicy. Delicious. Tree, vigorous and productive, October to January.

**Longfield.** A Russian variety. Tree a strong grower and an early and prolific annual bearer. Fruit fine, tender and juicy. A valuable hardy sort. November to February.

**Wealthy.** Large, round fruit, smooth skin cover, mostly with red. Very juicy. November to March.

**Wolf River.** "New." Fruit very large, skin greenish yellow, shaded with crimson; flesh white, juicy and tender. Very hardy and productive. November to March.

### WINTER VARIETIES.

**Seek-no-Further.** Medium to large, round, striped with dull red russet dots; flesh grained, tender, rich and excellent. A good grower and fruit bearer; fruit fair and fine. November to April.

**Tallman Sweet.** Medium size, pale, whitish yellow, slightly tinged with red, flesh firm, rich and sweet. Hardy and productive. November to April.

**Northwestern Greening.** A large, beautiful, yellow apple of excellent quality. A first-class keeper and with proper precaution will keep until June in an ordinary cellar. Northwest.

## CRAB APPLES.

**Early and annual bearers, hardy and ornamental.** 4 to 5 ft., 25 cts. each; \$2.40 per doz.; 100 for \$15.00. 5 to 7 feet high, 35 cts. each; \$3.50 per doz.; \$25.00 per 100.

**Whitney.** Very large, averaging 1½ to 2 inches in diameter. Skin smooth and glossy. Color green striped with carmine. Ripe the latter part of August.

**Transcendent.** Immense producer. Red and yellow. August.

**Hyslop.** A good keeper. Fruit in clusters. Dark red in color. Good for cooking.

## CHERRIES.

Money and lots of it in cherries. Demand always greater than supply of this delicious fruit.

**Selected Trees.** 4 to 6 feet. 75c each; 6 for \$4.20; \$7.80 per dozen.

**Early Richmond.** Medium size, melting, juicy and of acid flavor. Exceedingly productive; good for cooking. June.

**Montmorency.** Larger than the Richmond, and about ten days later. Red.

**English Morello.** Large and juicy, dark red, very rich. Productive and profitable.



## ORDERS FOR FRUIT PLANTS SHOULD REACH US BY APRIL 1st

NO ORDERS UNDER \$2.00 ACCEPTED AT PREPAID PRICES.

THE FOLLOWING PLANTS ARE SHIPPED DIRECT FROM THE NURSERY TO DESTINATION.

### STRAWBERRIES

Those marked "P." are perfect in blossom and can be planted alone or are suitable to plant with the Festilata to make them bear.

Those marked "I." have imperfect blossoms and must have some of the perfect blossom varieties planted with them, viz.: one row of the perfect to two rows of the imperfect.

**Crescent.** "I." Medium size, very productive, good color and fair quality, early.

**Senator Dunlop.** "P." Begins to ripen early and continues a long time in bearing.

**Warfield.** "I." A good shipper of rich color, large size, fine shape and good flavor.

**Jessie.** "P." Fruit very large, quite firm, good color and excellent quality. Early.

**Bubach.** "I." Fruit large, very red and ripens all over. Good flavor. Midseason.

**Beder Wood.** "P." A very desirable berry for either home or market use. Early.

**Haverland.** "I." Fruit large, bright red, very firm, and ripens all over. Early.

**Lovett.** "P." A fine grower, heavy bearer, good colored large berries. Midseason.

Prepaid, 25 cts. per dozen, \$1.00 per 100, \$7.50 per 1000.

Not prepaid, dozen, 20 cts.; per 100, 75 cts.; per 1000, \$5.00.

### RASPBERRIES

#### Strong Plants.

Begins to ripen with the last of the strawberries. Plant in rows 5 feet apart and 3 ft. apart in a row.

**Gregg.** Fruit very large, of good quality, very neat and firm. Very late.

**Kansas.** Berries large, jet black, firm, handsome and of best quality.

**Columbian.** Fruit is dark red and of good quality. The best for canning. It is an extra strong grower and its immense canes are frequently loaded to the ground with its large, luscious berries.

**London.** The best hardy late red raspberry. A heavy yielder, of large size and very firm. As near perfection as it is possible to get.

Prepaid, 6 for 40 cts.; 75 cts. per dozen.

Not prepaid, 6 for 35 cts.; 65 cts. per dozen; \$1.75 per 100.

### BLACKBERRIES

This valuable fruit begins to ripen before Raspberries are gone and continue till grapes begin to ripen. Plant in rows 6 feet apart and 4 feet apart in row.

**Stone's Hardy.** Very hardy and productive. Too well known to need further description.

**Snyder.** A popular variety, hardy and productive. Valuable for marketing.

Prepaid, 6 for 45 cts.; 85 cts. per dozen.

Not prepaid, 6 for 40 cts.; 75 cts. per dozen; \$2.50 per 100.

### GRAPE VINES

#### Extra Strong Two-Year.

If planted by a fence or building set plants 8 ft. apart. For vineyard, make rows 8 feet apart.

**Concord.** A large purplish black grape, ripening about the middle of September.

**Worden.** A splendid black sort of the Concord type, but earlier and larger in bunch and berry.

**Delaware.** "One of the finest." Bunch small, compact shouldered and berries small.

**Niagara.** Strong grower, bunches large, berries white. Has a peculiar aroma.

**Brighton.** A new red variety, highly recommended. Medium sized berries. Early.

**Moore's Early.** One of the very best black early grapes. Cluster medium size, berry very large. Ripens nearly two weeks before the Concord and is of the same quality. Very profitable.

**Moore's Diamond.** A new white grape, large in bunch and berry. Hardy and early.

Prepaid, 25 cts. each; \$2.20 per dozen.

Not prepaid, 20 cts. each; \$2.00 per dozen; \$10.00 per 100.

### CURRANTS

#### Two-Year-Old Plants.

Currants are profitable for market, healthful for home use and should be found in every garden. Set plants 4 feet apart each way. Cultivate well.

**Red Dutch.** This is the standard variety and well known everywhere.

**Pomona.** Will hang on the bushes for some time after ripening; of good size, color and quality.

**Fay's Prolific.** Bush not very strong, but bears well. Larger than others.

**Victoria.** An exceedingly valuable late variety. A strong, vigorous grower, and wonderfully productive. Berries large, handsome and fine flavored.

**White Grape.** Fine for table use. A good grower and productive. Sweeter than the red.

**Lee's Prolific.** Black. The fruit is large and of superior quality. Very productive.

Prepaid, 15 cts. each; \$1.20 per dozen.

Not prepaid, 15 cts. each; 85 cts. per dozen; \$6.50 per 100.

### GOOSEBERRIES

#### Extra Strong Plants.

Of easy cultivation. Plant in good rich soil in rows 5 feet apart, and 3 feet apart in the row.

**Houghton.** Small to medium; roundish oval, pale red, sweet and tender. Very productive and free from dust.

**Downing.** Large, handsome, pale green, and of fine quality, both for cooking and table use. One of the best.

Prepaid, 20 cts. each; \$2.00 per dozen.

Not prepaid, 15 cts. each; \$1.50 per dozen; \$7.25 per 100.



# INSECTICIDES, FUNGICIDES and FERTILIZERS.



**Bordeaux Mixture.** A good remedy for fungus diseases. Price, 1 qt. can (makes 50 quarts spray), 50c. Cannot be sent by mail.

**Fir Tree Oil.** Insecticide for greenhouse and house plants, especially for mealy bug, scale, red spider, black and green aphids, thrip, lice worms and slugs. Pt. 85c. Cannot be sent by mail.

**Sulphur.** For destruction of Mildew on roses, etc. Prepaid, lb., 25c; not prepaid, lb., 10c; 5 lbs., 35c; 10 lbs., 60c; 25 lbs., \$1.25; 50 lbs., \$2.50; 100 lbs., \$4.75.

**Hellebore, Powdered White.** For the destruction of slugs, worms, caterpillars, etc. Can be used as a powder dissolved 1 oz. in 3 gallons of water. Per lb. 25c; 5 lbs. \$1.20. Cannot be sent by mail.

**Kerosene Emulsion.** Prepared according to the most approved formulae; ready for use by simply adding water (25 to 50 parts water to one of Emulsion). For cabbage worm, scale on trees, caterpillars, melon louse, rose bugs, green fly and lice of all kinds, all sucking insects, either on plants or animals. Price, qt. 50c. Cannot be sent by mail.

**London Purple.** Good for Curcuro, Codling, Moth, Canker Worm, Pear Slug Cabbage Worm, Cut Worm, all Leaf Eating Caterpillars, etc., on Potatoes, Apple, Pear, Plum, Cherry and Peach Trees. Per lb. 35c. Cannot be sent by mail.

**Paris Green.** Applied as a powder, it should be mixed with plaster or flour 100 parts to 1 part of Paris Green; in solution mix 1 lb. in 200 to 300 gallons water. Price, ½ lb. package, 20c; 1 lb. package, 35c; 5 lb. package, \$1.50. Cannot be sent by mail.

**Persian Powder.** For worms, flies, aphids and almost all kinds of insects it is very effectual, suffocating them by filling up the breathing pores. Prepaid, per 2 oz. box, 12c; 1 lb. box, 55c; not prepaid, 2 oz. box, 10c; 1 lb., 40c; 5 lb. \$1.90.

**Slug Shot, Hammond's.** Guaranteed to destroy potato bugs and those on tomato and egg plants, currant worms, cabbage/lice and worms; fleas, beetles and striped bugs on melons, turnips, beets, onions, etc.; canker worms and caterpillars on fruit and other trees. Pre-Not paid Prepaid

1 lb. paper carton, perforated top .....	\$0.25	\$0.10
1 lb. tin canisters, perforated screw top.....	.35	.20
5 lb. pkg., cannot be sent by mail .....	.30	
10 lb. pkg., cannot be sent by mail .....	.50	
15 lb. bulk, per bbl. 235 lbs.....	9.40	

**Sulpho-Tobacco Soap.** Quickly exterminates all insect life on plants and flowers in and out of doors. Unsurpassed for rose bushes. For a cheap, effective, clean and harmless insecticide for Amateur and Professional Growers this is unexcelled. It also acts as a valuable fertilizer, reviving plant life.

3 oz. cake, sufficient for 1½ gallons prepared solution, 10c; mailed postpaid, 13c; 8 oz. cake, sufficient for four gallons prepared solution, 20c; mailed postpaid, 28c; 10 lb. cake, sufficient for 80 gallons prepared solution, \$3.00.



**Tobacco Dust.** One of the best remedies of green and black aphids, fleas, beetles, etc., also for insects in the ground. Prepaid, per lb., 25c; not prepaid, lb., 10c; 5 lbs., 25c; 10 lbs., 40c; 100 lbs., \$3.50.

**Whale Oil Soap.** Makes an excellent wash for trees and plants where insects and eggs affect the bark and for smearing on the trunks of trees to prevent worms from crawling up.

	Prepaid.	Not Prepaid.
¼ lb. air tight box.....	\$0.08	\$0.05
½ lb. air tight box.....	.16	.08
1 lb. air tight box.....	.30	.15

**Grafting Wax.** Prepaid, ¼ lb., 15c; ½ lb., 25c; 1 lb., 40c. Not prepaid, ¼ lb., 10c; ½ lb., 17c; 1 lb., 25c.

## THISTLEINE.

**KILLS DANDELIONS AND THISTLES.**

**Thistleine Destroys** Canadian and Russian Thistles, Burdock, Dandelion, Johnson Grass, Mullen, Plantain, Wild Lettuce and Onions, Milk Weed, Sand Burrs, Poison Ivy and all other fibrous plants. Directions with each can or bottle. Price of 5 lb. Can (makes 5 gallons spray), \$2.00. Pint bottle fluid including dropper for applying to Weeds in Lawns, 50 cts.

### A FEW TESTIMONIALS.

Gentlemen:—I have experimented with your Thistleine and find that it does the work for which it is designed; I may say perfectly. You may use this testimonial anywhere that you see it may help you, and give my name for reference. Very respectfully,

W. E. VAN SLOOTEN.  
Canadian Thistle Commissioner.  
Town of Lake, Cook Co., Ill.

Gentlemen:—This city of La Porte, Ind., has used Thistleine and finds that it completely destroys stalk and root of all noxious weeds of every description. Respectfully,

F. R. CARSON.  
Ex-Mayor, La Porte, Ind.

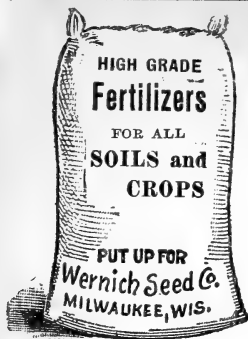
## PLANT FERTILIZERS

**Darling's Celebrated Flower Grower.** This is an article which we put up especially for house plants. Small pkt., 15c; large pkt., 25c; by mail, postpaid, small, 20c; large, 40c.

**Walker's Excelsior Plant Food.** An odorless and perfectly soluble food for house plants. A lb. box, sufficient for 25 ordinary sized plants for 1 year. 1 lb., 25c; by mail, 40c; ½ lb. pkt., 15c; by mail, 25c.

**"Brownie Brand" Bone Meal.** For rose culture. It is the pure bone meal, refined. Per lb. box, 25c; by mail, 40c.

**Japanese Palm Food.** An odorless fertilizer specially prepared for palms, rubber plants and ferns. It will produce a luxuriant foliage of rich texture. Per lb. box, 25c; by mail, 40c.



# FERTILIZERS

(PURE ANIMAL MATTER)

For All Soils and Crops

## TO FARMERS!

IMPROVING THE SOIL.

Does your land yield as large crops as it used to? If not, why? The soil will remain rich by returning to it each year the full amount of nitrogen, phosphoric acid and potash removed by continued, harvested crops. You must feed your land a balanced fertilizer just as you feed live stock a balanced ration for successful results.

### SELECTING A FERTILIZER.

It is not wise to buy a fertilizer without first carefully investigating. Reputation counts for a great deal, for it assures the purchaser that the merits apparent are lasting merits. By reputation Swift's Fertilizers are second to none. The price is such as to insure best materials and mechanical condition, to satisfy the most careful buyer.

#### SWIFT'S TRUCK GROWER.

All animal matter ammoniates from Bone, Blood and Tankage.

##### Guaranteed Analysis.

Nitrogen (equal to Ammonia 1.00%)	0.82%
Phosphoric Acid, Available	8.00%
Phosphoric Acid, Insoluble (from bone)	2.00%
Potash K2O	4.00%
Sulphate of Potash	7.40%

**Soil:** Best suited to soils of good, strong loam texture which can start a crop early and maintain a steady, regular growth. It is rich in soluble bone phosphate and potash.

**Crop:** Gives excellent satisfaction used in addition to stock manure. Applied under potatoes, onions and sugar beets on soils that have been exhausted by frequent cropping, make a dressing of good farm manure.

**Applications:** For Potatoes—use 500 pounds per acre. Truck Grower gives vines increased power of putting on more and better potatoes.

**For Onions—**On soils of average fertility use 500 pounds per acre. The seed bed should be plowed in fall preceding. An even distribution of this fertilizer shows marked results in preventing spotted onions.

**For Sugar Beets—**Apply at the rate of 500 pounds per acre.

Price, F. O. B. Chicago: 125 lbs. \$1.75; 500 lbs. \$6.75; 1000 lbs. \$12.50; ton \$24.00.

F. O. B. Milwaukee: 125 lbs. \$1.90; 500 lbs. \$7.65; 1000 lbs. \$13.75; ton \$26.50.

#### SWIFT'S ONION, POTATO AND TOBACCO FERTILIZER.

All animal matter ammoniates from Bone, Blood and Tankage.

##### Guaranteed Analysis.

Nitrogen (equal to Ammonia 2.00%)	1.64%
Phosphoric Acid, Available	8.00%
Phosphoric Acid, Insoluble (from bone)	3.00%
Potash K2O	7.00%
Sulphate of Potash	12.75%

**Soil:** For all classes of light loam, or medium soils in a fair state of cultivation. Produces steady growth and early maturity.

**Crop:** Generally used on onions, potatoes and tobacco, and tomatoes.

**Application:** For the best results, we recommend not less than 500 lbs. per acre. As a starter for tobacco beds, sow 5 to 10 lbs. to the square rod and work in well with the soil. Two hundred pounds per acre makes an excellent combination when a clover or green crop is plowed under before planting. In setting plants by hand, when two feet apart and more, use a fair-sized handful for each plant, mixing well with the earth.

Price, F. O. B. Chicago: 125 lbs. \$2.00; 500 lbs. \$7.25; 1000 lbs. \$14.15; ton \$27.75.

F. O. B. Milwaukee: 125 lbs. \$2.20; 500 lbs. \$7.85; 1000 lbs. \$15.65; ton \$29.75.

#### SWIFT'S SUPERPHOSPHATE.

A splendid All-Around Grain, Corn and Grass Grower.

All animal matter ammoniates from Bone, Blood and Tankage.

##### Guaranteed Analysis.

Nitrogen (equal to Ammonia 2.00%)	1.64%
Phosphoric Acid, Available	8.00%
Phosphoric Acid, Insoluble (from bone)	4.00%
Potash K2O	2.00%

Contains pure bone and sufficient water soluble phosphoric acid to insure to the crop a quick and

healthful start, the pure bone carrying through to maturity and giving a good grass crop.

**Soil:** Suitable for all sandy loam or clay soils.

**Crop:** Adapted to all spring crops and fall grain, clover and grass seedings and alfalfa.

**Application:** For lasting results, sow from 200 to 300 pounds per acre.

Price, F. O. B. Chicago: 125 lbs. \$1.75; 500 lbs. \$6.75; 1000 lbs. \$12.50; ton \$24.00.

F. O. B. Milwaukee: 125 lbs. \$1.90; 500 lbs. \$7.65; 1000 lbs. \$13.75; ton \$26.50.

#### DARLING'S FARMER'S FAVORITE BRAND.

This is a high-grade all-round fertilizer, especially adapted to all field crops. Its guaranteed analysis is as follows: Nitrogen, 2.47 to 3.29 per cent.; Ammonia, 3 to 4 per cent.; Available Phosphoric Acid, 8 to 10 per cent.; Equal Bone Phosphate, 17 to 21 per cent.; Total Phosphoric Acid, 10 to 12 per cent.; Potash Sulphate, 7.50 to 9 per cent.; Potash (K2O) 4 to 5 per cent.

Price, F. O. B. Chicago: 125 lbs. \$2.00; 500 lbs. \$8.00; 1000 lbs. \$15.00; ton \$29.00.

F. O. B. Milwaukee: 125 lbs. \$2.25; 500 lbs. \$8.75; 1000 lbs. \$16.50; ton \$31.00.

#### DARLING'S VEGETABLE AND LAWN FERTILIZER.

This is the richest article we have—a chemical dressing which does away with unsightly barnyard manure around your residence all winter, which is objectionable not only on account of looks and smell, but introduces seeds of obnoxious weeds. It is a Super Phosphate and positively the best thing on the market for gardeners and florists use and as a Top Dressing for Lawns.

Price, F. O. B. Chicago: 125 lbs. \$2.00; 500 lbs. \$9.00; 1000 lbs. \$17.50.

F. O. B. Milwaukee: 10 lbs. 50c; 25 lbs. \$1.00; 100 lbs. \$2.25; 500 lbs. \$10.50.

#### "BONORA."

#### The Elixir of Plant Life on Vegetables and Fruits.

Will positively mature them from two to three weeks earlier than ordinary fertilizers. "Bonora" is the body, life and blood of a plant, and has the same action on a plant that the heart has to the human body. It creates Chlorophyll, which is the blood and life of a plant; it increases root action, which enables the plant, vegetable or tree to carry its load. By using "Nature's Plant Food" it will enable you to market your product earlier, or have it on your table before your neighbor wakes up.

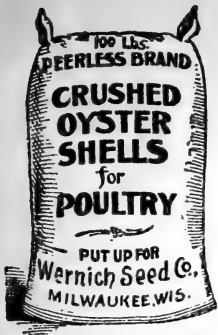
**"Bonora for Lawns."**—Try it and be convinced that there is nothing better for your lawn. It reaches the roots, thus thickening the sod, and gives the grass that rich, velvety green appearance.

"Bonora" is put up both in dry and liquid form. One gallon of the liquid when mixed with water will make 100 gallons of plant food ready for use. Can be kept in this manner for a century, as it does not lose its strength by being exposed.

Put up in dry form in all size packages as follows:

Trial Package, making 56 Pints, by mail...	\$0.30
One Pound Package, making 28 gallons, by mail	.65
5 lbs., making 140 gallons	2.50
10 lbs., making 280 gallons	5.00
40 lbs., making 1120 gallons	20.00
100 lbs., making 2800 gallons	42.50
200 lbs., making 5600 gallons	70.00

# POULTRY SUPPLIES.



Our Stock is Complete. If interested, Write for Our New Poultry, Pet and Live Stock Supply Catalogue.—It's Free—We Will Mail It to You Upon Request. Below We Quote a Few of the Many Supplies We Carry in Stock.

A Chick Can't grow or a Hen lay unless you give them the Proper materials with which to make bone and muscle or eggs. **THAT'S PLAIN.**

The following named foods supply the material for the growing bird and laying hen.



## POULTRY FOODS AND GRITS.

**Crushed Oyster Shells.** Fed to poultry to supply the essentials in the formation of the egg. Per 10 lbs. 10c; 25 lbs. 20c; 100 lbs. 65c.

**Mica Spar Grit.** The new Grit, sharper, harder and cleaner than any other. Per 10 lbs. 15c; 25 lbs. 25c; 100 lbs. 75c.

**Granulated Bone.** Made from the fresh green bone with the moisture and grease taken out. This is one of the best egg producers. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.25.

**Raw Bone Meal.** Made from raw bones ground fine. Fed in the mash feed makes chicks grow and laying hens strong. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.25.

**Broiler Teeth.** Made of one-third shell, one-third bone and one-third grit, the three most essential foods towards making shell. Mixed and ready to be fed. Per 5 lbs. 15c; 10 lbs. 20c; 25 lbs. 40c; 100 lbs. \$1.35.

**Refined Charcoal.** Aids digestion, purifies the crop and blood and regulates the bowels of Poultry. 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.75.

**Beef Scraps.** Where it is difficult to obtain Green Cut Bones, Beef Scraps are largely used in their place. Per 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 85c; 50 lbs. \$1.60; 100 lbs. \$2.90.

**Meat Meal.** Made from the livers of slaughtered animals. Cooked and ground, and nearly odorless. Fed in mash. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.25.

**Dried Blood.** This is deodorized and very high in digestibility. Conceded to be the best egg producer on earth. Per 5 lbs. 25c; 10 lbs. 45c; 25 lbs. 95c; 100 lbs. \$3.50.

**Linseed Meal.** A great flesh producer for Poultry. Keeps them healthy. Fed in mash. Also fed to horses and cattle. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 75c; 100 lbs. \$2.00.

**F. P. C. Chick Manna.** A health food for little chicks, peculiarly adapted for the most critical period of little chicks. A special 10 days food tending to make little chicks healthy, vigorous and developed. Use this as a first food, no matter what food is fed. Per lb. 10c; 5 lbs. 40c; 15 lbs. \$1.10; 60 lbs. \$4.20.

**Chamberlain's Chick Food.** Contains over 30 varieties of grains and seeds, also meat, grit and bone. The only dry food for little chicks made. Try it. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 80c; 100 lbs. \$2.50.

**Evergreen Cut Clover.** Guaranteed 100 per cent. pure clover. As green as grass. Per lb. 6c; 5 lbs. 25c; 10 lbs. 40c; 25 lbs. 75c; 50 lbs. \$1.25; 100 lbs. \$2.50.

**Clover Meal.** Made from the same stock as our Cut Clover. Per 5 lbs. 20c; 10 lbs. 35c; 25 lbs. 70c; 50 lbs. \$1.10; 100 lbs. \$2.00.

**Mixed Grain for Hens.** A balanced Ration composed of wholesome grain, carefully and scientifically balanced. Price, 5 lbs. 15c; 10 lbs. 25c; 25 lbs. 60c; 50 lbs. \$1.10; 100 lbs. \$2.00; 500 lbs. \$9.50.

## WERNICH'S MAGIC REMEDIES.

### WERNICH'S MAGIC ROUP CURE.

Is a guaranteed cure for Roup, Colds, Canker, Gape and Pip. The best ever manufactured. Price, 25c, 50c, \$1.00 packages, postpaid.

**WERNICH'S MAGIC CHOLERA CURE.**  
Cures Cholera, Blackhead, Limberneck, Diarrhoea and Weak Legs. The best cholera cure on the market. To be given in drinking water. A dose occasionally acts as a preventive. Put up in 25c, 50c and \$1.00 packages, postpaid.

**WERNICH'S MAGIC ROUP PILLS.**  
**A Sure Cure for Roup, Catarrh, Colds.**  
Many poultry raisers prefer pills for the cure of Roup, etc., because of their great convenience and quick administration. Wernich's Roup Pills are guaranteed to give relief quickly and effectively. Directions on each packet. Per Packet, 50 pills, 50c postpaid. Per packet, 120 pills, \$1.00, postpaid.

**WERNICH'S MAGIC CONDITION POWDER.**  
Puts hens, ducks, turkeys and pigeons in the pink of condition. It is also of the utmost value at moulting time, as it keeps up the fowl's strength, makes the feathers develop properly, shortens the moulting period and brings an early production of eggs. Mix with soft food. Per package, 25c; by mail, 35c.

### WERNICH'S MAGIC EGG FORCE AND POULTRY TONIC.

Makes your hens lay in the coldest weather, and helps to some extent to prevent disease. To lay eggs regularly, the fowl's health must be as nearly perfect as possible and the egg producing organs must be kept free from disease and irritation. We do not claim that our Egg Force will cure all kinds of disease, but we do claim that it will keep the fowls in the best of health, and that it will produce eggs. One package, enough for 160 hens, 25c; by mail, 37c.

### WERNICH'S MAGIC EGG PRODUCER, CHICK TONIC AND CONDITIONER.

As the name implies, stands at the head of Condition Powders. It is scientifically compounded, thoroughly balanced and perfectly pure and free from any harmful substance. In this day of Egg Producing it stands to reason that a Condition Powder given at intervals of two or three days apart is of great benefit to keep the fowls in the pink of condition and enables them to bear up under the Egg Forcing process. Price, 2½ lb. box, 25c; 25 lbs. \$2.00.

**WERNICH'S MAGIC INSECT POWDER.**  
Wernich's Magic Insect Powder is a Safe and Sure Remedy for Lice of all kinds on anything. It is harmless to human and animal life. Especially adapted for use on setting hens. If will not injure the eggs, hens, or chickens. If used liberally during the hatching season it will save the lives of many little chicks that would otherwise succumb to vermin. Has been used the past season on some of the largest poultry plants in the country and the praise is unanimous.

Size.	Not Prepaid.	Prepaid by Mail.
5 Oz. Box .....	\$0.10	\$0.15
15 Oz. Box .....	.25	.40

**WERNICH'S MAGIC DISINFECTANT.**  
**THE GREAT DISEASE DISCOURAGER.**  
Invaluable to the Poultryman, Farmer, Stableman, Cattle, Swine or Sheep Raiser, Dog Fancier or Hotel Keeper.

**FOR POULTRY.**  
Keeps the houses sweet and sanitary; cures Scaly Legs and Favus; absolutely destroys Roup and Cholera Germs; keeps fowls healthy; destroys lice and mites; checks incipient Roup and Chicken Pox. Wernich's Magic Disinfectant is the most useful preparation about the poultry yard ever invented. Price of Wernich's Magic Disinfectant: One gallon can, \$1.25; half gallon can, 75c (f. o. b. Milwaukee).

# POULTRY SUPPLIES.



Thompson's Root Cutter.

## Absolutely Free.

To all who ask for it we will mail our large 64-page Poultry Supply Catalogue which tells of all "Good Things and Necessities" for the practical Poultry Keeper. We carry the largest stock of any Supply House, bar none, in the Northwest.

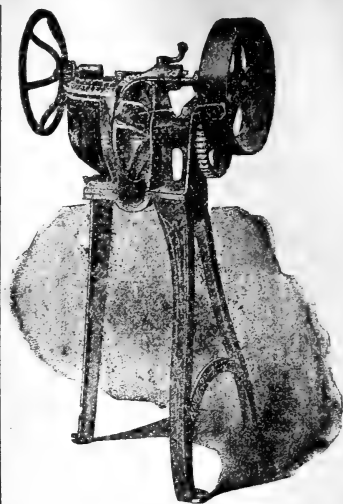


### Rust-Proof Poultry Netting.

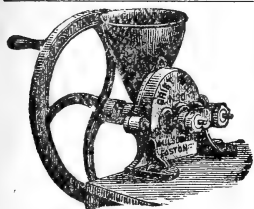
Put up in rolls of 150 lineal feet of No. 19 Galvanized Wire, 2 in. mesh. It is made with three strand rope selvage and is galvanized after being twisted.

Width of Netting.	Per Roll of 150 feet.	Width of Netting.	Per Roll of 150 feet.
12 inches.....	\$0.85	48 inches.....	\$3.30
18 inches.....	1.25	54 inches.....	3.70
24 inches.....	1.65	60 inches.....	4.05
30 inches.....	2.00	72 inches.....	5.25
36 inches.....	2.35	84 inches.....	6.00
42 inches.....	2.95	96 inches.....	6.75

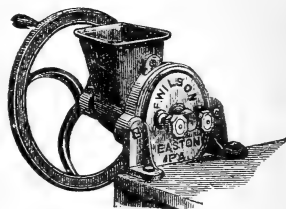
Will quote prices on 1½, 1 and ¾ inch mesh.



No. 2 Humphrey Bone Cutter.



Wilson Grist Mill.



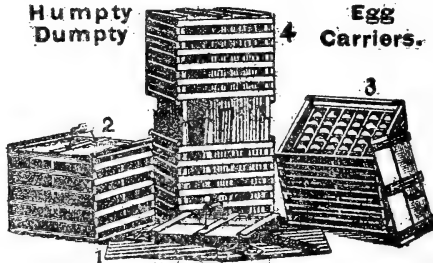
Wilson Bone Mill.



Gem Clover Cutter.

### Humpty Dumpty

### Egg Carriers.



Wire Hen's Nest.

### ROOT CUTTER.

Thompson's No. 7.....\$5.00

### GREEN BONE CUTTER.

No. 1. Humphrey ....\$12.00  
No. 2. Power ..... 13.50

### CLOVER CUTTER.

Gem. On long legs....\$9.00  
Gem. On short legs.... 8.00

### BONE MILL.

Wilson. For Bench...\$4.00  
Wilson. On Iron Stand. 6.25

### GRIST MILL.

Wilson. For Bench...\$4.00  
Wilson. On Iron Stand. 6.25

### GRIT BOX.

Sanitary .....\$0.50

### DRINKING FOUNTAINS.

Sanitary. 1 gallon....\$0.50  
Sanitary. 2 gallon.... .85

### CORN SHELLERS.

Champion .....\$2.00

### FEED PANS.

Hallock. 1 gallon....\$0.75  
Hallock. 2 gallon.... 1.00  
Hallock. 3 gallon.... 1.25

### WIRE HEN'S NEST.

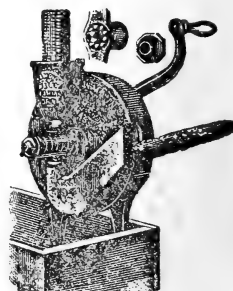
1½ in. mesh, each....\$0.15  
Per dozen ..... 1.50

WERNICH'S EGG CASE,  
With Patent Fasteners.\$0.50

### EGG CARRIERS.

### Humpty Dumpty.

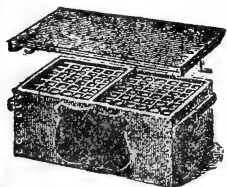
Size 6 doz., ea. 25; doz. \$2.75  
Size 12 doz., ea. 30; doz. 3.25



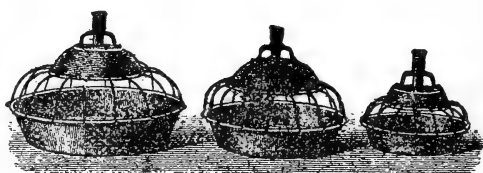
Champion Ballbearing Sheller



Grit Box.



Wernich's Egg Case.



Hallock Feed Pans.



Sanitary Fountain.



# INCUBATORS



No. 1 Cornell Incubator.

No. 0—64 Egg Cornell Incubator.....\$16.00  
No. 1—128 Egg Cornell Incubator..... 20.00

The Cornell Incubator is a machine built for **business**—one that will give **perfect results** to the market.

The machine is made of selected chestnut, kiln dried, carefully fitted, mortised, tenoned and glued. It is impossible for the Cornell to spring a panel or open a joint in a damp cellar or when exposed to mid-summer heat. The walls and top are packed with cotton in the most efficacious way that can be devised.

The Cornell Quadruple Automatic Four-jointed Regulator is as sensitive and accurate as a thermometer. A pleased Poultryman reports a variation of only one-half of one degree in the egg chamber with a drop in the outside temperature from 85 to 32 degrees over night—immediately followed by a rapid return to the higher level.

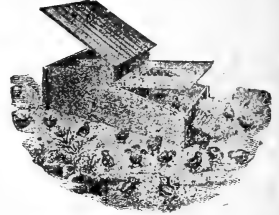
Our system of Heating, Ventilating, Circulation and Moisture gives perfect satisfaction in the hands of our customers. An expert operator, formerly a strong advocate of Non-moisture, writes that our Automatic Moisture System "Just cracks the shells at hatching time," and expresses his gratification at the very small percentage of dead chicks in the shell.

No. 2—232 Egg Cornell Incubator.....\$29.00  
No. 3—364 Egg Cornell Incubator..... 37.00

# BROODERS

The Peep-O'-Day Brooder is the best and always has been the best since its conception. Tens of thousands of unsolicited testimonials received during the past fifteen years from the four corners of the world conclusively prove it—and we are ready to back our unqualified guarantee with every dollar we have on earth.

In construction our Brooders are **roomy, airy, cheerful, convenient** and carefully put together of 1 inch kiln dried, tongued and grooved pine, and are made in so many different patterns and styles, all equipped with the Patented Peep-O'-Day Lamp—that the most exacting purchaser cannot fail to be suited.



No. 1—Outdoor Brooder, cap. 75-100 chicks.\$10.50  
No. 2—Outdoor Brooder, cap. 75-100 chicks. 12.00  
No. 3—Outdoor Brooder, cap. 50-75 chicks. 8.50  
No. 4—Indoor Brooder, cap. 75-100 chicks.. 8.50  
No. 5—Indoor Brooder, cap. 75-100 chicks.. 7.50

Peep-O'-Day Brooder No. 2.  
No. 6—Outdoor Brooder, with regulator,  
capacity 75-100 chicks.....\$14.50  
No. 7—Outdoor Brooder, without regulator,  
capacity 75-100 chicks..... 13.00  
No. 8—Combination Brooder, capacity 75-100  
chicks ..... 20.00  
No. 9—Junior Brooder, capacity 50-75 chicks 5.00

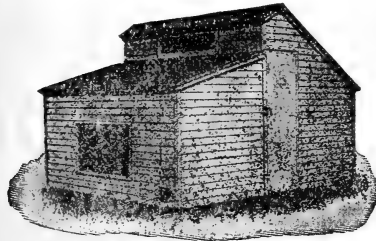
# PORTABLE HOUSES

Peep-O'-Day Portable Houses are up-to-date and their value is becoming more and more appreciated by the successful Poultryman. In Europe small Colony Houses are the rule. These result in full egg baskets.

Practical Poultrymen of America know this and are housing their flocks in small Colony houses distributed about the fields and the snug corners of the farm, moving them to fresh ground every season.

We have designed a line of large, medium and small Portable Houses, to fill all wants, to suit all pockets.

## PRICE.



No. 5—Peep-O'-Day Complete House, 12 pullets .....\$16.50  
No. 6—Peep-O'-Day Hatching Coop—New Model ..... 3.00  
No. 1—Portable House, complete, 10x6 ft., 6½ ft. high, 20 hens..... 38.00

No. 1—Peep-O'-Day Hatching Coop .....\$ 2.00  
No. 2—Peep-O'-Day Roosting Coop, complete, 4x3 ft., 30 chicks ..... 6.00  
No. 3—Peep-O'-Day Roosting Coop, complete, 6x3 ft., 20 pullets ..... 7.50  
No. 4—Peep-O'-Day Roosting Coop, with run, 8x3 ft. Poultry ..... 7.00  
No. 2—Portable House, no inside equipment, 10x12 ft., 8 ft. high, 40-50 pullets ..... 60.00  
No. 3—Portable House, no inside equipment, 10x18 ft., 7 ft. high, 60-80 pullets ..... 75.00

# WHITEWASH AND PAINTING MACHINE

Ripley's Whitewash and Painting Machine, Used and Endorsed by Leading Authorities. With this Machine One Man can do the Work of Five Men with Brushes in the Same Length of Time.

After many experiments and repeated failures we now offer our customers one of the finest, cheapest and best Painting and Whitewashing Machines ever placed on the market. By using this machine every crevice and corner which cannot be reached with a brush can be thoroughly painted or whitewashed, at the same time saving a great deal of labor and expense. Whitewashing and painting is a dreaded job when brushes are used, but this machine reduces the labor, and saves four-fifths of the time.

Can also be used as a Sprayer in the Garden or Orchard.

Construction: The body is made of No. 24 Galvanized Steel and is fitted with a first-class Ball Valve Brass Cylinder Pump, which will produce 150 pounds of pressure. It is fitted with an agitator which works at every stroke of the pump and keeps the solution thoroughly agitated. Top is removable to clean machine.

Every Machine Tested before Leaving the Factory. Sold Under a Guarantee to be as Represented.

Price, No. 6, 8 gallon, Galvanized Iron Machine, 10 feet best one-half inch hose, one nozzle and one 8 foot extension rod (weight, crated 35 lbs.) \$12.00.



# MATERIAL STRAINERS

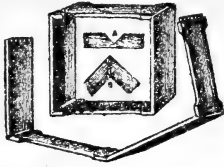
All mixtures must be carefully strained to insure perfect uninterrupted service of pump and nozzle. Burlap will not do on account of the lint, which clogs the nozzle. We offer here a strainer which will do the work perfectly.

Price 12 in. diameter copper screen .....\$1.50  
Price 10 in. diameter galvanized screen ..... .65

WRITE FOR INCUBATOR CATALOG—Describing all about the Cornell Incubators and Peep-O'-Day Brooders; over 150 pages, richly illustrated.

# BEE KEEPERS' SUPPLIES.

On this page we list only a few articles such as are mostly in demand. If you want anything which is not listed, please write for our Special Bee Supply Catalogue.



## ONE-PIECE SECTIONS.

The cuts, 6, 7, 8 and 9 show the different styles of one-piece section, except one, which is open on three sides, which is also furnished when desired.

## STANDARD SECTIONS.

The  $4\frac{1}{4} \times 4\frac{1}{4}$  is the standard section. The following widths of this size are carried in stock: 2, 1 $\frac{1}{8}$ , 1 $\frac{1}{4}$ , 1 $\frac{3}{4}$ , 7 to the foot, and 1 $\frac{1}{2}$ . In ordering these standard sections, if you do not state width and style wanted, we always send them 1 $\frac{3}{8}$  wide and open top, as per cut No. 6.

## PLAIN SECTIONS.—No Beeways.

The following plain or no beeway sections are also carried in stock:  $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{2}$ , 1 $\frac{3}{8}$ , or 1 $\frac{1}{4}$ ,  $4 \times 5 \times 1\frac{3}{8}$ , and  $3 \times 5 \times 1\frac{1}{2}$ . In ordering plain sections, if you do not state what size is wanted, we always send  $4\frac{1}{4} \times 4\frac{1}{4} \times 1\frac{1}{2}$ .

## PRICE LIST OF SECTIONS.

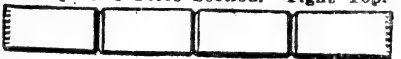
(Regular Size,  $4\frac{1}{4} \times 4\frac{1}{4}$ . 1 $\frac{1}{2} \times 2$  in.)



No. 6. One Piece Section. Open Top.



No. 7. One Piece Section. Tight Top.



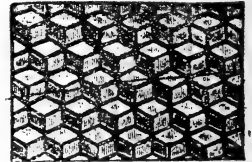
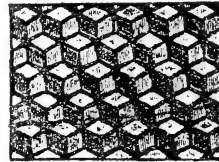
No. 8. One Piece Section.  
No Bee Entrance.



No. 9. One Piece Section.  
Bee Entrance on Four Sides.

In Quantities of	No. 1.	No. 2.	In Quantities of	No. 1.	No. 2.
100	\$0.75	\$0.65	2000	\$ 9.75	\$ 8.75
250	1.50	1.25	3000	14.25	12.75
500	2.50	2.25	4000	18.50	16.50
1000	5.00	4.50	5000	22.50	20.00

Name of Grade.	In Lots of			
	1 Lb.	5 Lbs.	10 Lbs.	25 Lbs.
Medium brood .....	\$0.57	\$2.75	\$5.30	\$12.75
Light brood .....	.59	2.85	5.50	13.25
Thin surplus .....	.64	3.10	6.00	14.50
Extra thin surplus..	.67	3.25	6.30	15.25



## IMPROVED CORNEIL SMOKER.

The Improved Corneil Smoker, with its new snout, is a most decided improvement over the old one. The old nozzle, or snout, was somewhat top-heavy, having a tendency to tip over. The new one is not only neat in appearance, but will hold its position on top of the stove without danger of toppling over. Like the last year pattern of nozzle, it is hinged for convenience in opening or closing, but in front instead of the rear, as before. See dotted line. A very neat wire-coil handle, which will remain cool under any circumstances, is riveted securely in place on the back side of the snout at a point that is most convenient for lifting and shutting the cap. The legs are of skeleton sheet metal stamping, extremely light in weight, but very strong and rigid. They are riveted to the stove and bolted to the bellows-board. The blast is the same well known Corneil principle, involving the use of a supplementary tube by which the volume of the blast is increased. The bellows itself is metal bound, thereby strengthening this portion.

We furnish three sizes of this smoker, viz.; Jumbo, with 4-inch stove, Standard with  $3\frac{3}{4}$  inch stove, and a Junior with  $2\frac{1}{2}$  inch stove.

Table of Prices of Corneil Smokers.

Jumbo Corneil, 4-inch.....	\$1.25 each;	3, \$3.45; postage, \$0.30
Standard Corneil, $3\frac{3}{4}$ -inch.....	.85 each;	3, 2.25; postage, .25
Junior Corneil, $2\frac{1}{2}$ -inch.....	.65 each;	3, 1.80; postage, .20



## PRICE LIST OF EXTRACTORS.



No.	Name.	Weight.	Price.
5	Novice extractor, for Langs or Simp. frame, or any other frame not over 9 $\frac{1}{2}$ inches deep, or 18 $\frac{1}{2}$ inches long, top bar 20 inches long....	45 lbs.	\$8.50
15	Two-frame Cowan, for frame same size as above, diameter of can 20 inches.....	70 lbs.	11.50
25	Four-frame Cowan, for frames same size as above, diameter of can 28 inches.....	150 lbs.	23.00



If you wish any other size extractor not quoted above, write for prices.

## CLOVES.

Oiled duck.....per pair, \$0.50. Rubber, Nos. 10, 11, 12.....per pair, \$1.70  
To insure getting proper size, mark outline of hand on sheet of paper. If you order by number, order two sizes larger than you require in kid.

## FRENCH TULLE VEILS.

All cotton, 40c; cotton with silk face, 50c; all silk, 80c; Globe veils, \$1.00;  
Extra nets for Globe veils, 50c.



# "Iron Age" Farm and Garden Tools for 1908.

Write for Special Catalogue of these Tools. Mailed free.

The "Iron Age" Garden Tools have become immensely popular, owing to their new and up-to-date construction. They are equipped with high, steel wheels, very light tubular frame, connected with malleable iron castings—really bicycle construction, and in consequence they are exceedingly light, convenient, easy to handle and very handsome in appearance.

Prepaid—Orders for these Tools or for Seeds and Tools (Seeds not prepaid unless so offered on other pages) amounting to \$7.50 will be prepaid to any railroad station in the United States within five hundred miles of Milwaukee or Chicago.

## No. 22. "Iron Age" Combined Fertilizer Distributor, Hill and Drill Seeder.

Weight, Boxed, 65 lbs. Price, \$18.00.

Although a tool designed to do so much, it is perfectly simple, light of draught, strong, and perfection in the quality of work done by it.

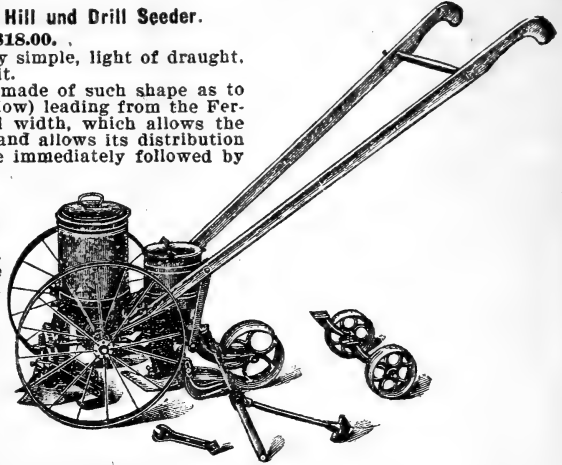
The Opening Plows of the Fertilizer Distributor are made of such shape as to encase the two fertilizer distributing tubes (one in each plow) leading from the Fertilizer Hopper. These plows are adjustable in depth and width, which allows the adjustment of the depth at which the fertilizer is sown and allows its distribution in narrow streams at different distances. The Plows are immediately followed by the covers, which draw the soil over the fertilizer just deposited.

The Fertilizer Distributor is thoroughly reliable in its distribution of fertilizer. It contains a force feed device which prevents stoppage by small lumps.

The Seed Sowing Device is practically the same as used on our Nos. 6 and 15 Combined Seed Drills. The seed may be sown in rows or dropped in hills at 4, 6, 8, 12 to 24 inches apart.

## No. 15 "Iron Age" Combined Single Wheel Hoe, Hill and Drill Seeder.

Weight, Boxed, 49 lbs.  
Price, \$11.00.



Combined in this tool is the best Hill and Drill Seeder and Single Wheel Hoe ever offered to the public. In combining these tools, not a single advantage of a separate Single Wheel Hoe or Drill Seeder is lost. As each they are in themselves complete. Changed from one form to the other almost instantly, completely filling every desire both as to method of handling seed and soil. It places the seed in hills, or drills, it plows, it rakes, it opens furrows, it covers, it hills, it hoes, it cultivates. The wheel is made of steel, 16 in. high; the frame of pipe, coupled to malleable castings, therefore light (runs easy), strong and durable.

## No. 16. "Iron Age" Hill and Drill Seeder.

Wt., Boxed, 46 lbs. Price, \$8.50.

This is the same as the No. 15 excepting it has not the attachments that appear in the illustration. It is a plain Seeder only.

## No. 17. Combined Single Wheel, Hill and Drill Seeder.

Weight, Boxed, 45 lbs. Price, \$10.00.

This tool is very similar to the No. 15, minus the Hill dropping device. Sows in a continuous row only. It plows, it rakes, it opens furrows, it covers, it hills, it hoes, it cultivates.

## No. 18. "Iron Age" Drill Seeder.

Wt., Boxed, 44 lbs.  
Price, \$7.50.

Same as the No. 17, minus attachments or cultivating tools, Plain Seeder only.



## No. 6. "Iron Age" Combined Double Wheel Hoe, Hill and Drill Seeder.

Weight, Boxed, 50 lbs. Price, \$12.00.

This tool will sow all the same seeds varying in size from celery to corn, in drills or drop in hills at 4, 6, 8, 12 or 24 inches apart.

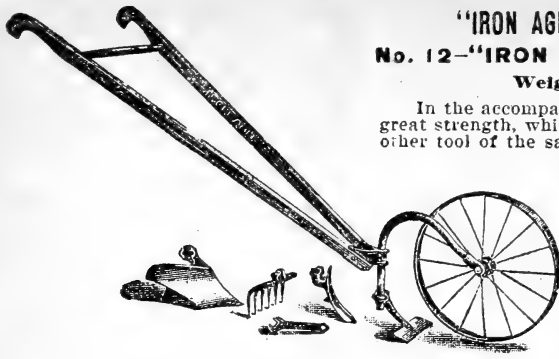
By a convenient hook the tool can be instantly changed to a Drill Seeder, or the reverse. The Opening Plow is clog proof; all trash which may come in contact with it is ridden down.

The Marker is pivoted in the rear of the hopper and can be thrown from side to side by the foot. This tool is without doubt the most complete tool ever offered to the public.

## No. 7. "Iron Age" Hill and Drill Seeder.

Same as the No. 6 minus the extra attachments. Plain Seeder only. Weight, Boxed, 39 lbs.

Price, \$9.00.



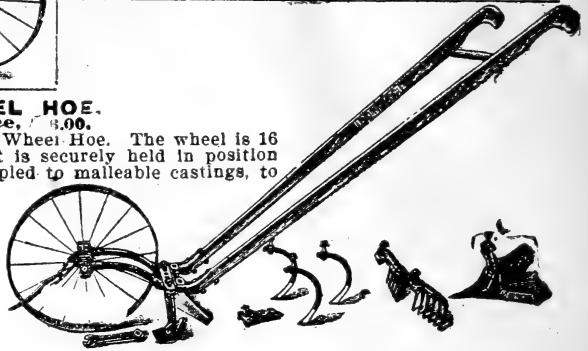
**"IRON AGE" FARM AND GARDEN TOOLS—Continued.**  
**No. 12—"IRON AGE" WHEEL PLOW AND CULTIVATOR.**

Weight, Boxed, 20 lbs. Price, \$3.50.

In the accompanying cut we show a tool of exceeding lightness but of great strength, which is designed to do a greater variety of work than any other tool of the same price. It will accomplish all the work in cultivating needed to be done in a small kitchen garden—plowing, furrowing, covering, hoeing, raking and cultivating. This tool is emphatically a friend of the laborer or mechanic who can afford only to invest a small amount of money in a garden tool, and whose few moments in a garden must be devoted to "straight-ahead" work.

**No. 20—"IRON AGE" WHEEL HOE.**  
 Weight, Boxed, 28 lbs. Price, \$4.00.

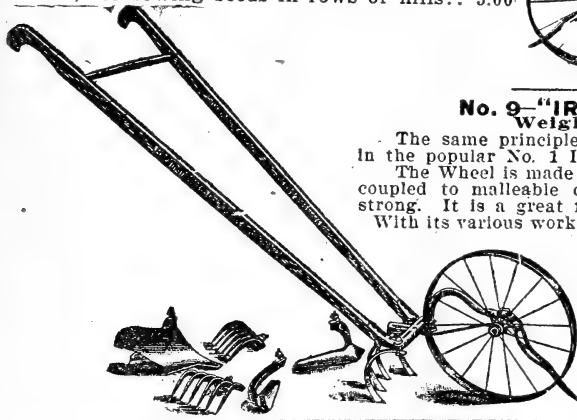
The No. 20 is the latest and most complete Single Wheel Hoe. The wheel is 16 in. high and has a broad faced tire  $1\frac{1}{4}$  in. wide. It is securely held in position by two rigid arms which are made of tubing and coupled to malleable castings, to which the working tools and the handles are attached.  
 Add for No. 4 Drill Seeder attachment, for sowing seeds in rows only.....\$4.00  
 Add for No. 6 Hill and Drill Seeder Attachment, for sowing seeds in rows or hills.. 5.00



**No. 9—"IRON AGE" SINGLE WHEEL HOE.**

Weight, Boxed, 28 lbs. Price, \$5.25.

The same principle of construction is applied to this tool as contained in the popular No. 1 Iron Age Double Wheel Hoe.  
 The Wheel is made of steel 16 inches high, and the frame is made of pipe coupled to malleable castings. While the tool is light, it is exceedingly strong. It is a great favorite in the kitchen and flower gardens.  
 With its various working tools, a great variety of work can be accomplished.

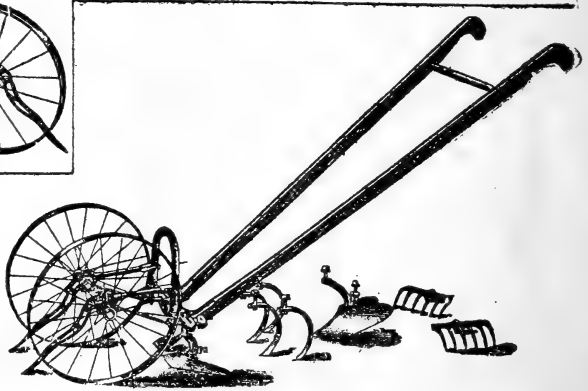


**No. 1—"IRON AGE" DOUBLE WHEEL HOE.**

Weight, Boxed, 40 lbs. Price, \$7.00.

In cultivating onions, turnips, radishes, etc., this tool is invaluable, saves hours of hard labor, and does the work better than several men could do it in the same time. One great advantage is, that it can be made into a complete Single Wheel Hoe in a moment's time.

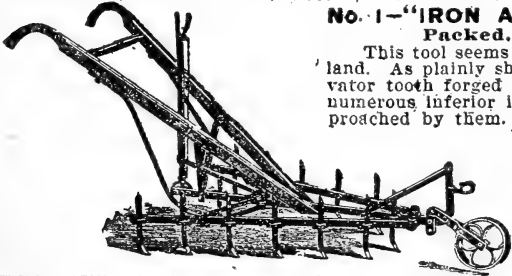
Add for the No. 4 "Iron Age" Drill Seeder attachment, for sowing seeds in rows only.....\$4.00  
 Add for the No. 6 "Iron Age" Hill and Drill Seeder attachment, for sowing seeds in rows or dropping in hills..... 5.00



**No. 1—"IRON AGE" COMBINED HARROW AND CULTIVATOR.**

Packed, Weight, 60 lbs. Price, as in cut, \$5.80.

This tool seems to go "right to the spot" among the farmers over the whole land. As plainly shown in cut, the teeth are diamond shape with a small cultivator tooth forged on one end. In common with all good things, this tool has numerous inferior imitations, but for solid quality, design or finish, is not approached by them.

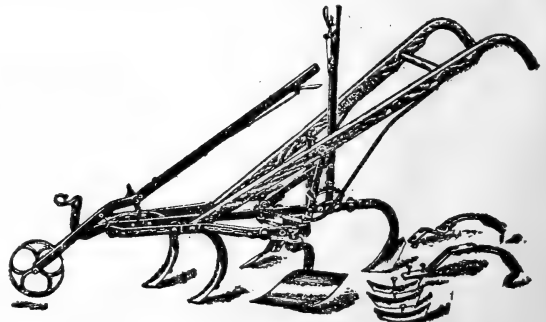


**No. 6—"IRON AGE" HORSE HOE AND CULTIVATOR.**

Packed, Wt., 95 lbs. Price, as in cut, \$8.75  
 Without Furrow Closing Attachment, \$6.75

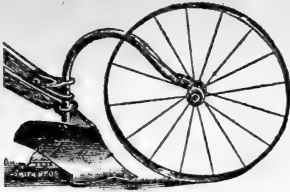
The No. 6 "Iron Age" Horse Hoe and Cultivator is truly a 20th century tool. It heads the procession. Its great adjustability adapts it for numberless uses and conditions.

The Furrow Closing Attachment is a special feature. It fills in that objectionable furrow or gutter left next the growing crops in all cases where an ordinary furrow tooth cultivator is used.





The No. 11 Iron Age Wheel Plow.



A beauty. Its graceful shape and exceeding lightness accord well with its ease of operation and perfection of work. Adjustable in depth. It will plow three to four inches deep and throw a furrow four to six inches wide. Poultrymen will find this tool to be the easiest, quickest and most efficient implement for turning under the accumulated filth and droppings in their poultry yard. Packed, Weight, 20 lbs.

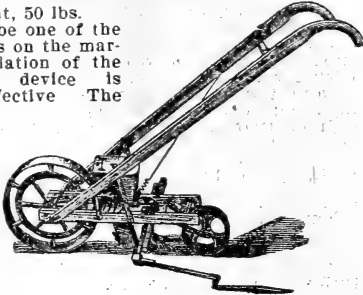
Price ..... \$2.50

New Model Seed Drill.

Boxed, Weight, 50 lbs.

Conceded to be one of the best Seed Drills on the market. The regulation of the seed sowing device is simple and effective. The Index is plain, convenient and reliable. The best value in material, durability and true merit.

Cheaper than ever at \$8.50.



Bateman's Hand Garden Plow.



A simple and very effective Tool, one that stands against the garden fence always ready for use. While it will not break ground in the spring it is very useful in opening furrows for seeds and manures, for covering them, and for tending the crops afterwards. Moldboard made of highly polished steel. Has side handle and being regulated in depth by a simple thumb nut is the most manageable tool of the kind yet produced. Weight, 6 lbs. Price, each, \$1.15; 3 for \$3.50.

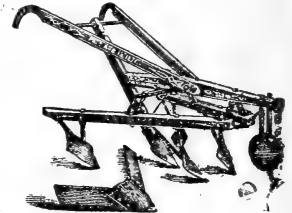
Wernich's Horse-Hoe or 5-Tooth Cultivator.

With large Hilling Shovel, Solid Tooth and Slip Tooth, Durable and Serviceable. Weight 70 lbs.

Complete, cheap at only \$4.25.

Without Large Hilling Shovel, \$3.50.

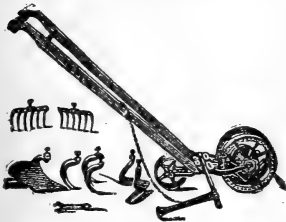
The best bargain of a serviceable tool ever offered to the farmer.



PLANET JR. GARDEN TOOLS.

Shipped prepaid in the United States to all stations east of the Rocky Mountains if order for tools or tools and vegetable seeds combined amounts to \$7.50. This offer applies to these tools only and not to other articles unless they are marked "prepaid" where described.

"Planet Jr." No. 1, Combined Drill Seeder and Wheel Hoe, Cultivator, Rake and Plow.

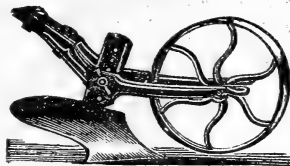


Weight, boxed, 47 lbs.  
Price, as shown in cut.....\$10.00  
No. 2 Drill Seeder only,  
weight, boxed, 33 lbs..... 8.00



Weight, boxed, 38 lbs.....\$9.50  
No. 12, same as above, but has six tools less, weight boxed, 32 lbs..... 7.50

Fire-Fly Garden Plow.



Most useful in small gardens.  
Weight, 13 lbs.  
Price ..... \$2.50

"Planet Jr." No. 8, Horse Hoe and Cultivator.

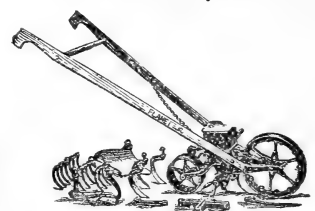


Built to withstand incredible strain, yet is light, and easy to handle. Has patent depth regulator and lever expander. Weight 83 lbs.

Price, as in cut.....\$9.50

Planet Jr. No. 7. Similar to No. 8, except it has no depth regulator. Weight 78 lbs.....\$9.00

"Planet Jr." No. 4, Combined Hill and Drill Seeder, and Single Wheel Hoe, Rake and Plow.



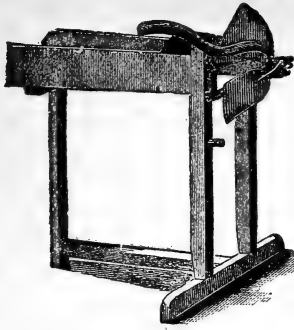
Sows in hills or in a row. Hopper holds 3 pints. Weight, boxed, 51 lbs.  
Price, without rakes.....\$10.50  
Price, with rakes..... 11.50

"Planet Jr." Harrow and Cultivator.



Price, plain, wt. 54 lbs.....\$6.50  
Price, with Wh'l, wt. 67 lbs. 7.25  
Price, complete as shown in cut, wt. 75 lbs..... 9.50

SPACE WILL NOT PERMIT OUR SHOWING AND DESCRIBING ALL OF THE "PLANET JR." TOOLS, BUT WE WILL SEND A FULLY ILLUSTRATED CATALOGUE FREE FOR THE ASKING TO ANY WHO DESIRE IT. GREAT IMPROVEMENTS HAVE BEEN MADE FOR 1908.

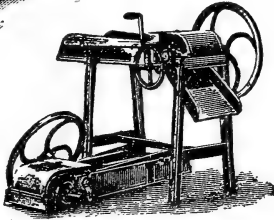


### Lever Cutter.

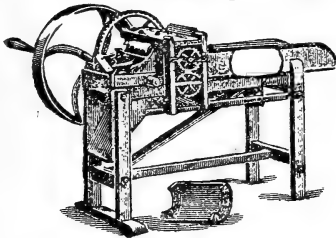
For cutting feed for one horse or cow, we recommend our Lever Cutter. It is made with an adjustable gauge to regulate the length of cut. We now furnish an improved pattern of cutter. Weight 55 lbs. Price, \$2.75.

### The K. D. Cutter.

It has one 11-inch knife, an automatic feed and can be changed in a moment to cut various lengths. Weight 175 lbs. Price, \$11.50.



### Cummings Cutter No. 1.

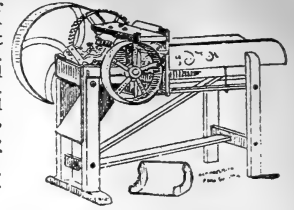


This cutter is a hand machine only and has three 8 1/4 in. knives. It has the upward cut, and the rocking feed roller. Length of cut 3/4 and 1/2 in. Capacity, 400 lbs. per hour.

Weight 200 lbs.  
Price, \$13.90.

### Cummings Cutter No. 2.

This cutter has four 10 in. knives, is intended for power but can be run by hand. We do not recommend it for hand use. Length of cut 3/4 and 1/2 in. Power required, two horse. Capacity, about 2,000 lbs. per hour of dry feed. Speed, 400 to 600 revolutions per minute.



Weight, 300 lbs. .... \$21.50  
Crusher Attachment. Weight, 180 lbs.  
Extra ..... 10.95  
Shredder Attachment. Weight, 150 lbs.  
Extra ..... 13.50

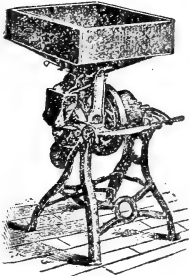
### Improved Cummings Cutter No. 3.

The No. 3 Cutter is intended for power only. It is made on the same lines as our smaller machines, being larger, heavier, and having capacity great enough to feed 40 to 60 head of stock. Equipped with three 12 in. knives; cuts four lengths—1/4, 1/2, 3/4 and 1 in. Size of pulley, 14 in.; diameter, 5 1/2 in. face; speed 400 to 600 revolutions; power required, two horse; capacity, 3,000 lbs. dry feed per hour.

Weight, 500 lbs. .... \$30.00  
Crusher Attachment. Weight, 200 lbs.  
Extra ..... 14.50  
Shredder Attachment. Weight, 200 lbs.  
Extra ..... 19.00  
12 Foot Carrier. Weight, 300 lbs. Extra.... 15.15

(If longer Carrier is wanted add 95c per foot.)

### Diamond Pulley Mill.



No. 9—Is designed to be run by belt, power, can be used with two horse power, or as much greater power as may be available. Will grind shelled corn and all kinds of

grain. Uses burrs 6 inches in diameter. The capacity of this mill is from 10 to 25 bushels per hour, according to condition of the grain and speed at which run. Height 3 ft. 3 in., hopper 19 1/2 in. square, pulley 6 1/2 in. diameter, 6 in. face, weight 185 lbs. We always ship with right-hand burrs, unless left-hand are specified.

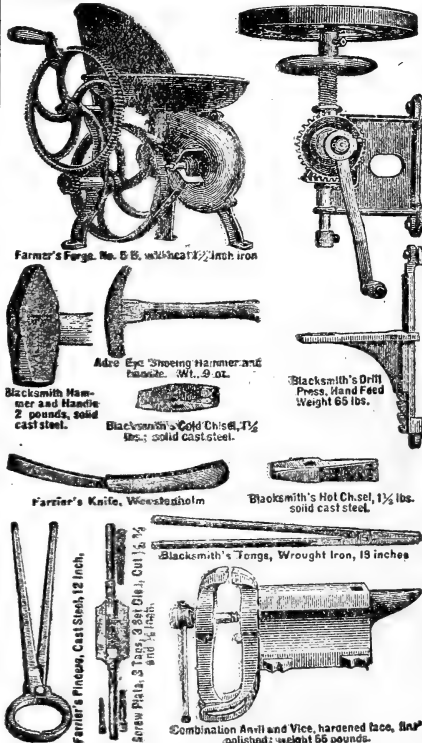
With 3 sets of burrs... \$17.25  
Extra burrs, per pair,  
weight 4 1/4 lbs. .... 1.20

No. 7—This mill is the same as No. 9, only larger and of greater capacity, being fitted with 8 in. burrs. It requires from 6 to 10 horse power and will grind from 25 to 30 bushels per hour. Height 3 feet 10 in., hopper 21 1/2 in. square; pulley 9 in. in diameter, 6 in. face, weight 250 lbs. This mill is always shipped with right-hand burrs, unless left-hand are specified.

With 3 sets of burrs... \$22.75  
Extra burrs, per pair,  
weight 8 lbs. .... \$1.45

### The Cyclone Kit of Tools.

For Farmers, Stockmen, Planters and Machinists



Farmer's Forge, No. 5 B, with heat 12 1/2 inch iron



Adco Eye Shoeing Hammer and  
Pincers. Wt. 9 lb.  
Blacksmith Hammer and Handle  
2 pounds, solid  
cast steel.



Blacksmith's Cold Chisel, 17 1/2  
lbs.; solid cast steel.



Farmer's Knife, Wootenholm



Blacksmith's Hot Chisel, 1 1/2 lbs.  
solid cast steel.

Blacksmith's Tongs, Wrought Iron, 19 inches

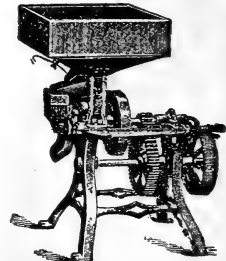
Farmer's Pincers, Cast Steel, 12 inch.

Screw Plate, 3 Taps, 3 Set Die, 1, Cut 1/2, 3/8 and 1/4 inch.

Combination Anvil and Vice, hardened face, 8 lb polished; weight 66 pounds.

Save Time! Save Trouble! Save Money!!!  
Complete, only \$20.50.  
Packed, Weight about 160 lbs.

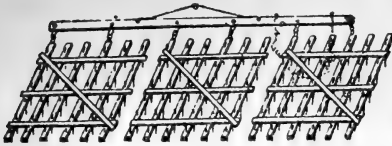
### Diamond Geared Mill.



No. 10—This mill is identical with No. 9, except being a geared mill and having the shaft squared at one end for direct tumbling-rod connection. Weight 225 lbs. Always shipped with left-hand burrs unless right-hand are specified. With 3 sets of burrs... \$20.00  
Extra burrs, per pair  
weight 4 1/4 lbs. .... 1.20

No. 8—This mill is identical with No. 10, except that it is larger and has a greater capacity, being the same size as No. 7. It is made with gearing for direct tumbling-rod attachment. It is also furnished with a pulley 12 in. in diameter by 3 in. face to belt from, for the purpose of running a corn sheller, feed cutter, etc. This makes an excellent mill for those who have four horse to eight horse power. The burrs are 8 in. in diameter, same as No. 7, made both right and left, but unless right-hand are specified, we always ship fitted with left-hand burrs. Capacity 20 to 30 bushels per hour. Weight 275 lbs. With 3 sets of burrs... \$24.75  
Extra burrs, per pair,  
weight 8 lbs. .... 1.45

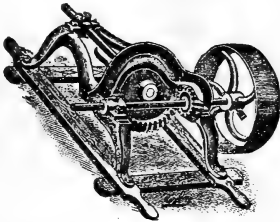
## SCOTCH HARROWS.



Made out of good timber, seasoned oak, using  $\frac{5}{8} \times \frac{1}{2} \times 8$  inch Diamond cut point teeth, well riveted (not nailed) teeth mortised in and not driven in a round hole.

48 Teeth; 2 Sections; 7½ ft. cut; weight 130 lbs.	\$ 4.05
60 Teeth; 2 Sections; 9½ ft. cut; weight 160 lbs.	5.07
72 Teeth; 2 Sections; 11 ft. cut; weight 180 lbs.	6.08
72 Teeth; 3 Sections; 11 ft. cut; weight 185 lbs.	6.08
90 Teeth; 3 Sections; 14½ ft. cut; weight 230 lbs.	7.60
120 Teeth; 4 Sections; 20 ft. cut; weight 315 lbs.	10.14

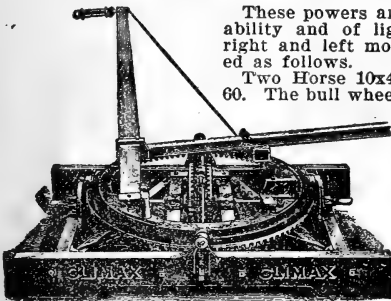
## BEVEL GEARED JACKS.



Our Bevel Geared Jacks are composed of an iron bed frame, containing the bottom boxes for all the bearings, and are bolted to the wood frame, which make it impossible to get the bearings out of line by age or strains from staking down. They are speeded 2½ to 1 and strong enough for eight horses.

	16 inch Pulley.	18 inch Pulley.	20 inch Pulley.
Iron Frame Bevel Gear Jack, weight 100 lbs...	\$9.10	\$9.42	\$9.75
Wood Frame Bevel Gear Jack, weight 80 lbs...	8.00	8.32	8.65

## CLIMAX SWEEP POWERS.

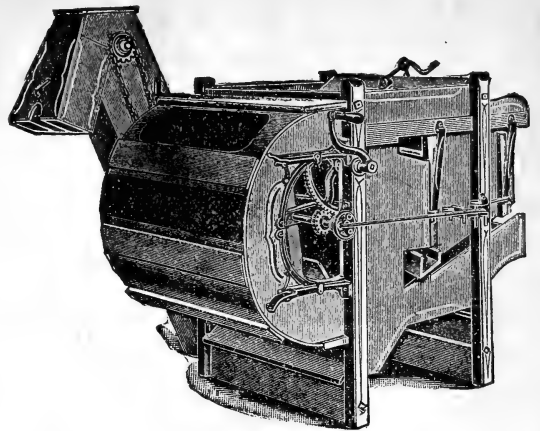


These powers are built for durability and of light draft, have right and left motion and speeded as follows.

Two Horse 10x45, 4 Horse 10x60. The bull wheels have a heavy rib on the bottom, which is not found on other makes, to strengthen them against severe strains. We use steel shafts on all gears and pinions. The frame is well braced and extra stay bolts in the cross frames to hold twin gears in close mesh with center pinion; also extra travelers to the twin gears to prevent springing of shafts or slipping of cogs. Our 4 and 8 horse power have 4 sweeps each and the 2 horse has 2 sweeps and 2 leads, all sweeps with spring hitches and draft rods with turn buckles. All Climax Powers are furnished with 18 feet of tumbling rods, one slip and two rigid couplings.

Climax 2 Horse Power, weight 750 lbs.	\$30.00
Climax 4 Horse Power, weight 1100 lbs.	38.00
Climax 8 Horse Power, weight 1400 lbs.	56.00

## "Cream City" Fanning Mills



The above cut represents our Cream City Fanning Mill with Bagging Attachment. Prices are quoted separately so mills can be ordered with or without baggers. This mill is a combined grain cleaner, grader and separator used on all kinds of grain and seeds grown in this country.

The bagger holds 2 bags at once and the grain is elevated into them as fast as cleaned. On account of farm help being expensive and because this takes the place of 2 men we find a great demand for them. Baggers must be ordered at the same time as mill so they can be correctly fitted.

Capacity No. 1. 30 to 50 bushels per hour; No. 2. 50 to 60 bushels per hour.

Equipment: The regular outfit of screens sent with this mill consists of hurdle 1, 2 and 3 grades, No. 4 sieves and screens Nos. 5, 7, 8 and chess-board No. 12 and with this equipment the mill will clean wheat, rye, oats, barley, kaffir corn, sorghum, broom corn, hemp, buckwheat and many other seeds of equal size.

Corn Sorting Attachment can be furnished with this mill. It takes out the butt, tip and faulty grains, leaving the perfect uniform grains.

Price No. 1 Cream City, \$15.75; Bagger, \$6.50; Corn Sorting Attachment, \$3.50; Extra Sieves, 85c.

Price No. 2 Cream City, \$18.50; Bagger, \$7.50; Corn Sorting Attachment, \$4.00; Extra Sieves, 95c.

### EXCELSIOR FANNING MILL.

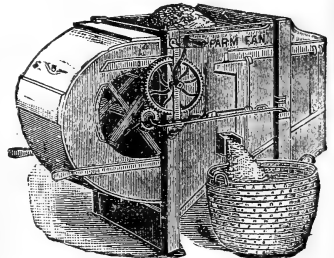
This mill is similar to the Cream City and has the same equipment.

Price No. 1..\$12.50

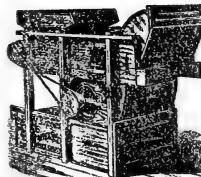
Extra Sieves .85

Price No. 2.. 16.50

Extra Sieves .95



## CLIPPER CLEANER.

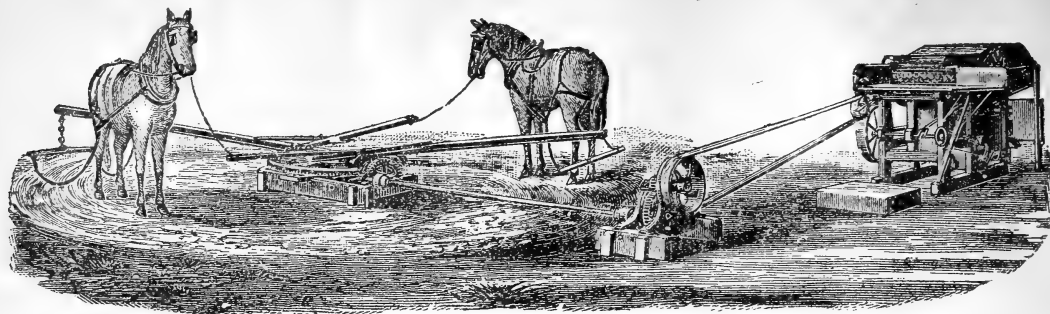


This machine cleans all kinds of seeds and grain to the highest possible grade. It has the best of zinc sieves, nine in number, requires no attachments for cleaning wheat, oats, barley, corn, beans, rice, buckwheat, flax, clover, millet, timothy and garden seeds.

It has spreading board, end shake, and the vertical blast, which are found in the Clipper and no other, which makes them the leading and standard cleaner of the United States and Canada. Weight 180 lbs.

Price, No. 1.....	\$21.50
Price, No. 2.....	29.00

## Little Giant Thresher "Pennsylvania" No. 3.



It will thresh and clean from 75 to 125 bushels of wheat per day. When not wanted in use the little machine can be easily and quickly taken apart and stored in small space.

One-horse Direct Geared Level-tread Power, with Speed Regulator, Trestle and Bridge, with No. 3 Pennsylvania Thresher and Cleaner, Wrenches, Belts, Oiler, Dogs, etc., complete for threshing and cleaning grain. (Weight, 2145 lbs.).....\$195.00  
If 4 Wheel Truck for Tread Power is wanted, add 35.00

Have had full satisfaction with our 1-horse level-tread power and our No. 3 Pennsylvania thresher. Have run the machine two seasons. One day we threshed 248 bushels of wheat, and have gone over 200 bushels several times, and threshed 186 bushels of oats in four hours, and can thresh 500 bushels of oats in one day with ease. We use mules weighing 1000 pounds each, and have one weighing 1200 pounds. We are doing nearly as much work as some can do with a two-horse outfit.

CARTER H. RICE.

New Market, Madison Co., Ala.

We have had the Little Pennsylvania Thresher for 9 years and it is doing as good work as at the beginning. We can thresh from 300 to 500 bushels per day, using four horses on our lever power. Last season I put six horses in the power and threshed 63 bushels of oats in one hour, just to convince a "doubting Thomas" that the machine would even do more than I claim for it. The machine has been entirely satisfactory.

P. S. LEBER, Sr.

Leber, Pierce Co., Wash.

Pennsylvania Thresher No. 3..(Weight 1050 lbs.) \$110.00  
Four-horse Climax Power, Tumbling Rods and Couplings.....(Weight 1100 lbs.) 38.00  
Iron Frame Bevel Gear Jack..(Weight 100 lbs.) 9.75  
40 feet Rubber Belting, 3½ inch, 3-ply..... 5.60

**\$163.35**

I promised to send you a report of the doings of my Two-Horse Level-Tread Power and the little Giant, No. 2, and beg to submit the same. We threshed wheat and oats for the 12th bushel, the other grains at 5 and 6 cents per bushel, and the books show the following:  
Threshed 4,648½ bushels wheat—1-12th at 70c....\$271.13  
Threshed 5,764 bushels oats—1-12th at 35c..... 168.12  
Threshed 1,692 bushels Kaffir corn at 5c..... 84.60  
Threshed 1,255 bushels Sorghum seed at 5c..... 62.75  
Threshed 137 bushels rye .....  
Threshed 754 bushels millet seed at 6c..... 42.24

Total, 14,250½

**\$631.84**

\*Figures not given.

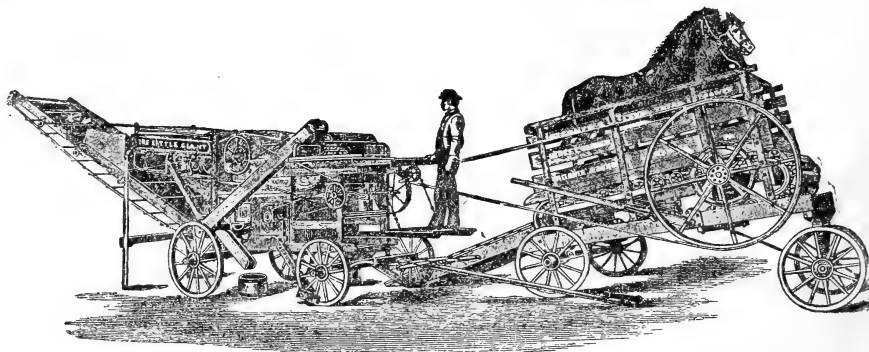
The wheat crop was very light here last season, making only 8 to 10 bushels per acre. The machine has done far better than you recommended, and our people say it is the best grain saver they ever saw.

J. F. BOLANDER,

Mundy, Knox Co., Tex.

## Heebner's Two-Horse Power Threshing Outfit

The illustration shows our Two-Horse Direct Geared Level-Tread Power with No. 2 Little Giant Thresher and Cleaner. When sold in the West or Northwest the machine is generally ordered full rigged.



This machine has a capacity of from 200 to 500 bushels per day, the quantity being determined by the weight of the team, the length of the straw, the condition the straw is in (whether dry or damp), the yield of grain per acre, etc. Our estimates as to the capacity of this thresher is based on wheat.

### Price With Tread Power.

Two-Horse Direct Geared Level-Tread Power with Speed Regulator, Trestle and Bridge, with No. 2 Little Giant Thresher and Cleaner, Wrenches, Belts, Oiler, Dogs, etc., complete for threshing and cleaning grain. (Weight 3300 lbs.) \$280.00  
The same mounted on wheels..(Weight 4600 lbs) 360.00  
The same also with Mountings, Tailings Elevator, 14 foot Straw Stackers and Elevating Jack, (Weight 4800 lbs.)..... 405.00

### Price With Sweep Power.

No. 2 Little Giant Thresher and Cleaner (Weight 1500 lbs.) .....\$150.00  
Four-Horse Climax Power, Tumbling Rods and Couplings.....(Weight 1100 lbs.) 38.00  
Iron Frame Bevel Gear Jack..(Weight 100 lbs.), 9.75  
50 feet Rubber Belting, 4 inch, 4 ply..... 8.00  
**\$205.75**  
If Trucks are wanted for Thresher (Weight 650 lbs.), add ..... 35.00  
If Tailing Elevator is wanted..(Weight 200 lbs.), add ..... 15.00  
If 14 foot Straw Stackers is wanted, add..... 20.00



**Steam Feed Cookers.**



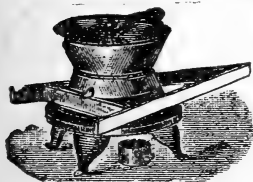
Kalamazoo No. 1. Wt.  
360 lbs. ....\$21.50  
Kalamazoo No. 2. Wt.  
430 lbs. ....\$22.75

**Barrel Carts.**



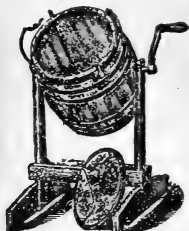
Wood Frame, Wt. 55  
lbs., without barrel.\$3.35  
Steel-Frame, Wt. 55  
lbs., without barrel. 8.75

**Corn and Cob Mill.**



2-Horse Sweep. Is de-  
signed to grind corn, cobs  
and shelled corn. Capacity  
6 to 12 bu. per hour, de-  
pending on how fast the  
horses walk and condition  
of the grain. Weight 525  
lbs. ....\$22.50  
Extra Grinding Rings,  
per pair, ....\$4.00

**Acme Bail Churn.**



The "Acme" is the best  
barrel churn made. Thou-  
sands in use. Made from  
the best seasoned hard-  
wood.

Size.	Capacity.	Wt.	Price.
No. 0,	5 gals.	30 lbs.	\$3.00
No. 1,	9 gals.	34 lbs.	3.15
No. 2,	15 gals.	40 lbs.	3.55
No. 3,	20 gals.	45 lbs.	3.90
No. 4,	25 gals.	60 lbs.	4.50
No. 5,	35 gals.	75 lbs.	6.00
No. 6,	60 gals.	110 lbs.	10.00
Pulleys, 12 to 14 in..			.75
Dble Pulley, fast and loose			1.25

**Leggett's Dry Powder Guns..**

**CHAMPION DUSTER.**



**The Champion Duster.**

Weight 6 lbs.;  
boxed for shipment,  
15 lbs. Outfit con-  
sists of 4 tubes, 6  
nozzles, 2 straps  
and oil can. Reser-  
voir holds 4 lbs.  
Paris Green or over  
1 qt. Powder. Price,  
\$7.25.

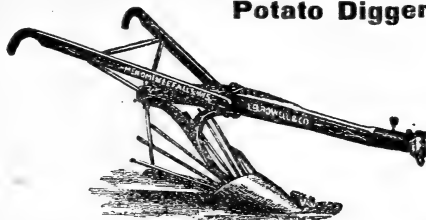
**The Little Giant Duster.**

Weight 6 lbs.;  
boxed for shipment,  
12 lbs. Outfit con-  
sists of 3 tubes, 5  
nozzles and strap.  
Reservoir holds  
nearly a quart of  
Powder.  
Price, \$5.50.

Testimonial From Prof. Wm. P. Brooks, Mass. Agricul-  
tural College, Amherst, Mass.:

"Have two of your Guns and consider they saved me  
not less than \$75.00 in a season."

**Potato Digger.**



Clipper, 85 lbs., Price only.....\$5.80  
Hartford, 75 lbs., Price only..... 6.75

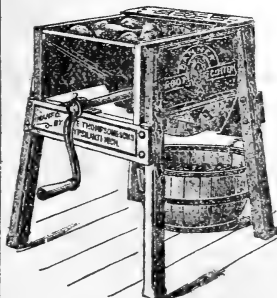
**Wing Shovel Plow, or Potato Hiller.**



Wings are hinged and adjustable in width.

Price, "Star," 60 lbs.....\$3.25  
Price, "Rowell," 65 lbs..... 3.50

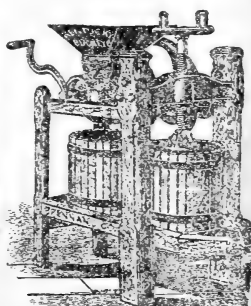
**Banner Root Cutter.**



No. 20. For hand pow-  
er. Capacity 30 to 50 bu.  
per hour. Weight 120 lbs.  
Price, \$9.00.

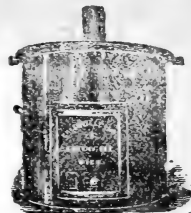
No. 15. Power or hand.  
Capacity 60 to 80 bu. per  
hour. Weight 115 lbs.  
Price, \$10.50.

**Cider Mills.**



	Weight, lbs.	Price.
Junior,	150	\$11.50
Senior,	300	18.00
Medium,	350	14.00

**Peerless Food Cooker.**



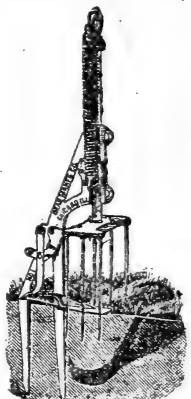
Has no equal for cook-  
ing all kinds of feed for  
Stock, Butcher's use,  
Sugar making, Soap boil-  
ing, etc.  
30 Gallons .....\$ 8.50  
40 Gallons ..... 10.50  
50 Gallons ..... 11.50  
Coal Grate for any of  
the above sizes, \$3.25  
extra.

**Wagon Carts.**



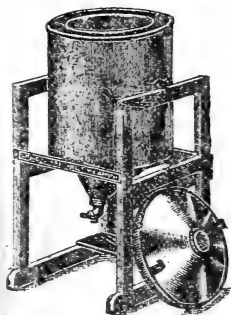
36 in. Metal Wheels,  
Box 25x38 in., 10 in. deep,  
Drop end gate. Axle 1 in.  
round steel. Wt. 85 lbs.  
Price, \$5.25.

**Olmstedt Mole Trap.**



Directions for setting  
are cast on the frame.  
Each, 1.50; 3 for \$3.75.

**Puritan Separator.**



This Separator does the  
work of raising cream in  
about three hours without  
any labor on the part of  
the operator. As long as  
you get your separator  
cleaned and ready for the  
next milking, that is ab-  
solutely all that the work  
requires. Weight 31 lbs.  
Price, \$7.00.

**BLIZZARD POWDER GUNS.**

Holds 2 ounces of Powder. Made with a screw cap instead of a cork.  
Price, postpaid ...\$0.15

**ACME POWDER BELLOWS.**

For the extermination of insects, etc.

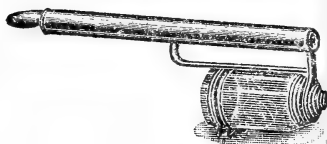
Price, Postpaid.

No. 9.....	\$0.55	\$0.65
No. 14.....	.65	.85
No. 19.....	.75	1.05
No. 22.....	1.20	1.50

Lowell Blow Powder Sprayer.



In some sections potato growers, stock and poultry raisers prefer to use Paris Green and disinfectants in powder form mixed with dry plaster. To meet such a demand the "Blow" Sprayer is recommended. The powder can hold one quart. Price, 75c.

**THE PARKS SPRAYER.**

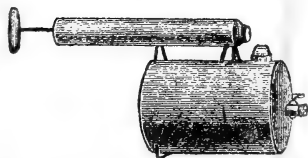
A simple and inexpensive device consisting of a heavy tin tube air pump and a glass jar as a receptacle for the spraying compound. The article inside of jar is a mixer or agitator for the liquid.

Price, 75 cts.; prepaid.....\$1.25

**NEW ERA TRI-JET SPRAYER.**

This sprayer embodies the principle of the ordinary atomizer and is new only in the application of same to a new use. Throws the finest kind of a mist spray. Just the thing for spraying disinfectants.

Price—Galvanized Reservoir, 45 cts.; prepaid 75 cts.; brass reservoir, 75 cts.; prepaid, \$1.00.

**THE BLIZZARD SPRAYER.**

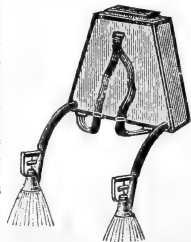
This cut shows our latest Sprayer, which is known as Blizzard. It is placed on the market to meet the demand of the busy farmer and fruit grower who desire a more rapid and easily operated sprayer than the hand sprayer so generally used. It speaks for itself. A compressed air machine, fine and constant spray, one pumping lasts several minutes. Well made, light and handy. It is sure to please.

Tank holds one gallon of solution.

Price .....\$1.25

**HILL'S KNAPSACK SPRAYER.**

Ten acres a day, hills or drills. Two rows at a time as fast as a man can walk. It covers each plant with a finely divided spray of any liquid, insecticide or disinfectant. No pumping, the arms hang naturally at the side; the wide thin tank hangs the weight close to the operator's back. The tank is made of galvanized iron and the spray nozzles all brass. Wt., 7 lbs. Price, \$3.25.

**THE AUTO-SPRAY.**

A few strokes of plunger in air chamber will compress enough air to discharge the entire contents and make a continuous spray for 9 minutes. This means that the "Auto-Spray" can be charged in 15 seconds, when it will work uninterruptedly long enough to spray a quarter-acre of potatoes.

"Auto-Spray" is the most suitable machines for small fruits, potatoes, and for use as a Fire Extinguisher. It may be also used in spraying small orchards, and we know of one case where it was used to spray 1,200 trees in one season.

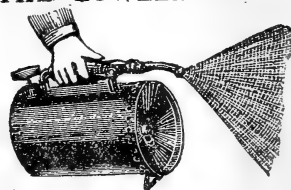
"Auto-Spray" is made in both galvanized steel and brass. We also furnish extension pipes, in 2 feet lengths, made of either material; and by the aid of 3 of these pipes, and our new spraying attachment, a spray can be thrown to the height of 27 feet. Weight packed, 12 lbs.

Galvanized Steel Tanks, \$4.50; prepaid, \$5.00.

Brass Tank, \$6.00; prepaid, \$6.50.

**EXTENSION RODS.**

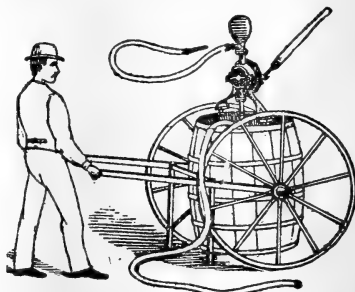
Two-foot Galvanized Steel, each 30c; brass each 35c. Extra Elbow Correction, each, 35c

**THE LOWELL SPRAYER.**

A compressed air sprayer. Works very easy and rapid. The action of the air keep the solution thoroughly stirred. It has a funnel shaped head, making it handy for filling. The amount of spray is easily governed by simply pressing the thumb valve with a quick or slow motion. The spray can be turned in any direction by turning the spray crook as desired. One filling will spray 400 hills of potatoes. With the 4-foot hose, attachment you can easily spray into the tops of the highest fruit trees. It is thoroughly riveted and will stand a pressure of 50 pounds. All working parts are made of brass. Fully guaranteed. Weight packed, 12 lbs.

Galvanized Iron \$4.50, with fruit tree attachment, \$5.00

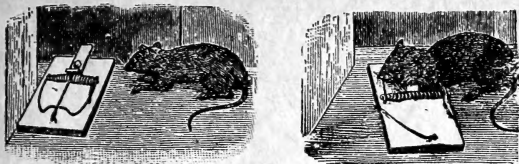
Brass tank, \$5.50, with fruit tree attachment \$6.00. Will send either prepaid east of the Mississippi for 50 cents extra.

**Barrel Cart with Lever Clock Pump.**

For spraying orchards, a Spray Pump that can be placed on any ordinary oil or whiskey barrel makes a convenient and cheap outfit. The apparatus may then be placed on a wagon or attached to our Barrel Cart, as shown in the cut. In placing it on a wagon, the greatest economy of time may be obtained when two persons are engaged in spraying, one to drive and the other to do the spraying. By using the Barrel Cart only one person is necessary.

Price, Pump, with 9 feet Suction Hose and 3 feet Discharge Hose and Nozzle; weight 70 lbs.....\$15.50  
Barrel Cart, without Barrel (a vinegar or oil barrel will do); weight 55 lbs..... 3.75  
Complete, only ..... 19.25

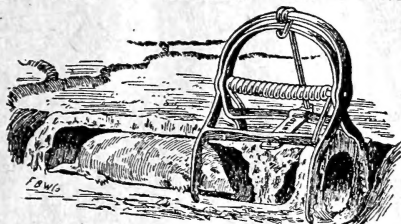
## MOUSE AND RAT TRAPS.



Mice in the Pantry.

The "Out O' Sight" Trap is sure to catch 'em. No bait required. Will catch two mice to one of any other trap made in a given length of time. Mouse trap sent postpaid, 10c. Rat trap sent postpaid, 25c. Full instructions with each trap.

## THE "OUT O' SIGHT" MOLE TRAP.



The best Mole Trap ever offered, to which thousands will testify. It has only to be tried to be appreciated. Trap sent for \$1.25, postpaid. Full instructions with each trap.

## FAMILY COBBLER, No. 1.



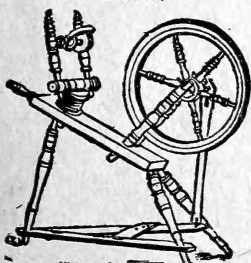
Consisting of 40 first-class Tools and Materials shown in cut, viz.: 1 Iron Last for Men's Work, 1 Iron Last for Boys' Work, 1 Iron Last for Women's Work, 1 Iron Last for Children's Work, 1 Iron Stand for Lasts, 1 Shoehammer, 1 Shoeknife, 1 Peg Awl, 1 Wrench for Peg Awl, 1 Handle, 1 Sewing Awl, 1 Stabbing Awl, 1 Stabbing Awl Handle, 1 Bottle Leather Cement, 1 Bottle Rubber Cement, 1 Bunch Bristles, 1 Ball Shoe Thread, 1 Ball Shoe Wax, 1 pkg. Clinch Nails 4-8 in., 1 pkg. Clinch Nails 1/2 in., 1 pkg. Clinch Nails 6-8 in., 1

pkg. Heel Nails, 4 pairs Heel Plates, assorted sizes, Slotted Rivets, assorted sizes, 1 Rivet Holder for same, 6 Harness Needles, 1 Harness and Saw Clamps, 1 box 1 Harness and Belt Punch, 1 Soldering Iron ready for use, 1 Handle for same, 1 Bar Solder, 1 Bar Resin, 1 Bottle Soldering Fluid, 1 Copy Directions for Half-soling, etc., 1 Copy Directions for Soldering. Weight, 15 lbs. Price.....\$1.35

## FAMILY COBBLER, No. 2.

Consisting of 33 first class Tools and Materials, shown in cut. Weight 12 lbs. Price \$1.00.

### Farmers' Spinning Wheel.



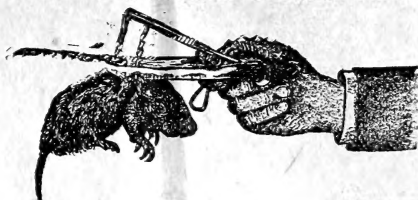
Made of the best hardwood, strong and durable. Weight 15 lbs. Price, \$3.75. Wool cards, per pr., 60c. Wool cards, by mail, 75c.

### Slug Shot or Plaster Sifter.



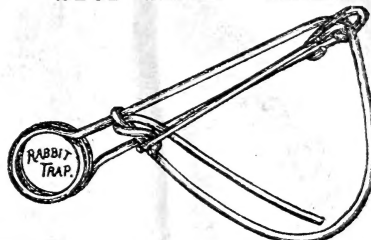
With this Sifter one can cover 8 to 10 acres a day.  
Nos. .... 1 2  
Size, qt. .... 2 4  
Price .....\$0.35 .50  
If by mail, add 15c to 2 qt., 20c to 4 qt. size.

## GOPHER TRAP.



New Principle. Sure catch. Trap sent postpaid for 30c.

## "STOP THIEF" TRAP.



Will kill at once and save the skin and fur.

- No. 1. "Stop Thief" Traps (for catching rats and squirrels), postpaid 20c; not prepaid, per doz., \$2.00.
- No. 2. "Stop Thief" Traps (for catching mink and marten), postpaid 30c; not prepaid, per doz., \$2.50.
- No. 3. "Stop Thief" Traps (for catching skunks, raccoons, etc.), postpaid 40c; not prepaid, per doz., \$3.10.

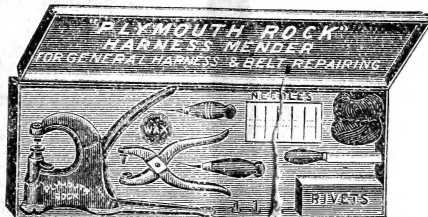
## THE ACME HAND POTATO PLANTERS.



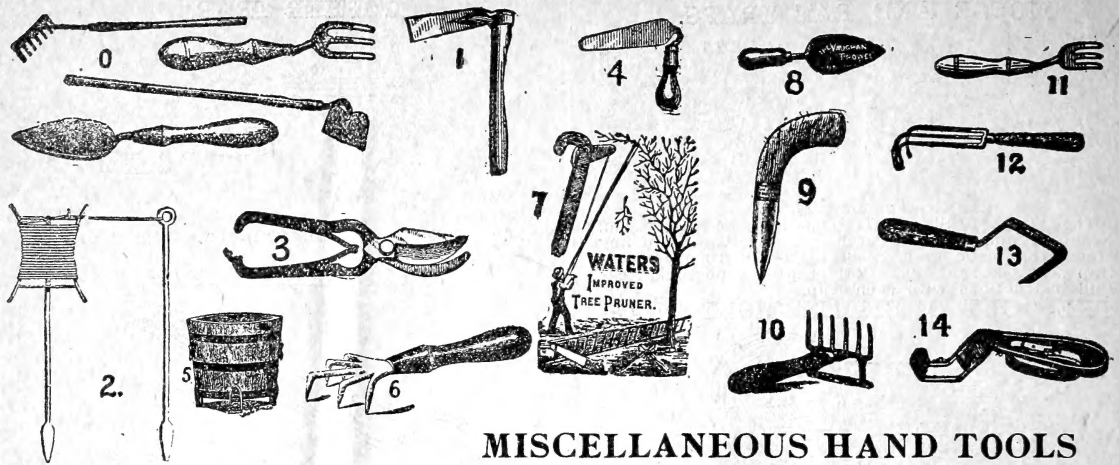
Acme Sock Planter. Weight 2 1/2 lbs. Price, 75c; 3 for \$2.00.  
Acme Tubular Planter. Weight 5 lbs. Price, \$1.25; 3 for \$3.25.

## PLYMOUTH ROCK HARNESS MENDER.

The Biggest Seller Yet.



A complete outfit of tools for general harness and belt repairing, including a "Plymouth Rock" Riveting Machine. Packed in a lock-cornered wood box with hinged cover. Contents: 1 Plymouth Rock Riveter, 1 Spring Belt Punch, 1 Box Tubular Rivets, 1 Sewing Awl, 1 Sewing Awl Handle, 1 Stabbing Awl, 1 Stabbing Awl Handle, 6 Harness Needles, 1 Ball Wax, 1 Ball Shoe Thread, 1 Shoe Knife. Each set in neat wood box with hinged cover.  
Price ..... \$1.00



## MISCELLANEOUS HAND TOOLS

**Fig. 0. LADIES' FLORAL SET.** A handy and convenient set of four tools. Price, complete, 65c; by mail, 80c.

**Fig. 1. Tomato Transplanting Hoe.** A short handled hoe for transplanting tomatoes or other large plants. Price, 60c.

**Fig. 2. Garden Line Reel.** Useful to every Trucker, Gardener or Farmer. Price, small, 50c; large, 75c.

**Fig. 3. Pruning Shears.** Price, 55c; by mail, postpaid, 80c.

**Fig. 4. Transplanting Trowel.** Useful in transplanting small plants. Price, 40c; 3 for \$1.10.

**Fig. 6. Excelsior Hand Weeder.** A handy tool. Price, 10c; by mail, 15c.

**Fig. 7. Waters' Tree Pruner.** Nothing better on the market. Price with 6 ft. pole, 85c; with 8 ft. pole, \$1.00; with 10 ft. pole, \$1.10; Extra Knives, each, 20c.

**Fig. 8. Garden Trowels, English Steel.** 6 inch, each, 25c; by mail, 35c.

**Fig. 8. Garden Trowels, Ordinary.** 7 inch, each, 15c; by mail, 23c.

**Fig. 9. Garden Dibble.** Not the cheap kind. Point is made of the best tempered steel. Each, 35c; by mail, 46c.

**Fig. 10. Combined Weeder.** A simple but handy tool. Each, 25c; by mail, 35c.

**Fig. 11. Garden Fork.** Common. Each, 10c; by mail, 16c.

**Fig. 12. Eureka Weeder.** The best Weeder for loosening soil around plants that we know of. Short handled, each, 25c; long handled, each, 35c.

**Fig. 13. Hazlettin Weeder.** Useful instrument. Each, 20c; by mail, 26c.

**Fig. 14. Lang's Hand Weeder.** This has proven itself an actual labor saver. Price, each, 20c; by mail, 25c.

**Fig. 15. Acme Corn Planter.** With Pumpkin Seed Attachment. Price, each, \$1.00.

**Fig. 15. Triumph Corn Planter.** Weight, 7 lbs. Has pumpkin seed attachment. Price, each, 90c; 3 for \$2.60.

**Fig. 16. The Bateman Hoe.** Beveled edges, oil tempered, light and strong. Just the thing for purposes almost innumerable. Price, No. 1, 5½ inches, \$1.00; 3 for \$2.75. No. 2, 6½ inches, \$1.10; 3 for \$3.00. No. 3, 8 inches, \$1.25; 3 for \$3.25.

**Fig. 18. Eureka Corn Knife.** Forged under the hammer from a solid piece of steel; hardened in oil and tempered in metal. Price, each, 50c; by mail, 80c.

**Fig. 19. Dandelion Puller.** A handy tool for weeding lawns. Price, each, 50c; by mail, 75c.

**Fig. 20. Pruning Saw.** Holes are provided in the handle for attaching to a pole. Price, each, \$1.00; by mail, \$1.25.

**Fig. 21. Columbus Whetstone.** Has been awarded first prize at all International Fairs. Made of aluminum clay. It will sharpen scythes and all other tools and kitchen cutlery. Price, each, 25c; 3 for 60c; postpaid.

**Fig. 22. Hot Bed Thermometer.** Wooden frame with brass point, tested. Price, each, \$2.00.

**Fig. 23. Asparagus Knife.** Made of the best material. Will not break. Price, each, 50c; by mail, 60c.

**Fig. 24. Vine Cutter.** For cutting vines of sweet potatoes, runners of strawberries, etc. Saves the back. Price, 55c; 3 for \$1.50.

**Fig. 25. Imported Hammered Stythes.** Forged under the hammer from one solid piece of steel, hardened in oil and tempered in metal. Price, No. 8, 30 inches, each, \$1.10; by mail, \$1.40; No. 8½, 32 inch, each, \$1.20; by mail, \$1.55; No. 9, 34 inch, each, \$1.35; by mail, \$1.75.

**Fig. 26. Glass Tank Atomizer.** Holds about 2 ounces of liquid. Useful for spraying plants, sprinkling clothes, disinfecting and exterminating. Price, each, 50c; by mail, 65c.

**Fig. 27. The Weed Slayer.** A handy tool for garden cultivating but especially onions. Weight, 8 lbs. Price, each, \$1.95.

### Osborne Hand Cultivators.

The handiest Tool of its kind in the market, weight 7 lbs.

With Leaf Guard ..... \$1.00  
Three for ..... 2.70





## DEPARTMENTS.

	Pages.
Novelties .....	1 to 8
Vegetable Seeds.....	9 to 35
Farm and Field Seeds.....	36 to 56
Flower Seeds .....	57 to 71
Tree Seeds and Bulbs.....	71

## INDEX.

## DEPARTMENTS.

	Pages.
Roses and Vines.....	72, 73
Plants and Shrubs.....	74 to 77
Trees and Fruits.....	78 to 80

## DEPARTMENTS.

	Pages.
Insecticides and Fer- tilizers .....	81, 82
Poultry Supplies.....	83 to 85
Incubators and Brood- ers .....	85
Bee Supplies .....	86
Tools, Implements, etc. ....	87 to 96

Vegetable Seeds.	Vegetable Seeds.	Farm and Field Seeds.	Poultry Supplies.	Tools and Imple- ments.
Page	Page	Page	Pages 83, 84, 85.	Page
Novelties.....1 to 8	Rhubarb .....22	Peanuts .....47	<b>Incubators and Brooders.</b>	Hand Weeders ..96
Artichokes .....9	Rutabaga .....33	Pencillaria .....46	Page 85.	Harness Mender 95
Asparagus .....9, 34	Salsify .....30	Potatoes .....43	<b>Bee Supplies.</b>	Harrows ..88, 89, 91
Beans .....11, 12, 48	Scorzoneria .....30	Rape, Essex .....46	Page 86.	Jacks .....91
Beets .....3, 10, 44	Sea Kale .....30	Rye .....36	<b>Tools and Imple- ments.</b>	Ladies' Floral Set .....96
Broccoli .....10	Sorrell .....30	Sacaline .....47	Page 86.	Lawn Weeder ..96
Brussel Sprouts.....10	Spinach .....31	Sand Lucerne .....53	<b>Asparagus Knife</b> 96	Mills, Grist ..84, 90
Cabbage .....1, 13, 14	Squash .....30	Soja Bean .....48	<b>Blacksmith Out- fit</b> .....90	Plaster Sifter ..95
Carrots .....2, 15, 49	Tobacco .....34	Speltz .....39	<b>Bone Mills</b> .....84	Potato Planters..95
Cauliflower .....16	Tomato .....1, 31, 32	Spurry .....47	<b>Churns</b> .....93	Potato Hillers...93
Celery .....16	Turnip .....33	Sugar Beet .....44	<b>Cider Mills</b> .....93	Potato Digger ..93
Celery .....16		Sugar Cane .....47	<b>Clover Cutters</b> ..84	Poultry Netting..84
Chicory .....19	<b>Farm and Field Seeds.</b>	Sunflower .....47	<b>Cobblers Outfits</b> ..95	Powder Bellows .....94
Chives .....19	Artichokes .....47	Thousand Headed Kale .....48	<b>Corn and Cob Mills</b> .....93	Powder Guns ....93
Corn Salad .....19	Australasian Salt Bush .....47	Turkestan Alfalfa .....52	<b>Corn Knife</b> .....96	Pruning Saw ....96
Corn, Sweet .....4, 17	Barley .....36	Velvet Beans .....48	<b>Corn Planter</b> .....95	Pruning Shears..96
Cress .....19	Broom Corn .....47	Vetches .....45	<b>Corn Sheller</b> .....84	Root Cutter .....93
Cucumber .....3, 18	Buckwheat .....38	Wheat .....39	<b>Cultivators</b> .....87, 88, 89, 96	Scythes .....96
Egg Plant .....20	Clover .....52, 53, 54	Wild Rice .....47	<b>Fanning Mills</b> ...91	Seed Drills ..87, 83
Endive .....19	Clover Mixtures..55, 56	<b>Flower Seeds.</b>	<b>Feed Cookers</b> ...93	Separator .....93
Garlic Sets .....20	Corn, Field.....41, 42	Pages 6 and 7 and 57 to 71.	<b>Feed Cutters</b> ...90	Sprayers .....94
Herbs .....35	Corn, Fodder.....40	<b>Tree Seeds and Bulbs.</b>	<b>Garden Dibble</b> ..96	Sweep Powers...91
Horse Radish ...33	Cow Peas .....48	Pages 71 and 72.	<b>Garden Line Reel</b> .....96	Threshers .....92
Kale .....20	Field Beans.....48	<b>Roses, and Vines.</b>	<b>Green Bone Cut- ters</b> .....84	Transplanting Hoes .....96
Kohlrabi .....3, 5, 20	Field Peas .....48	Pages 73 and 74.	<b>Grubbing Hoe</b> ...96	Traps, Animal ...95
Leek .....20	Field Pumpkin...49	<b>Plants and Shrubs.</b>	<b>Hand Plows</b> .....89	Trowels .....96
Lettuce .....1, 21	Flax Seed .....38	Pages 75 to 78.		Vine Cutter ....96
Martynia .....20	Grass Seed.....50, 51, 52	<b>Trees and Small Fruit.</b>		Whetstone .....96
Melons .....2, 23, 24	Grass Mixtures..55, 56	Pages 79 and 80.		
Mushroom Spawn 23	Hungarian Grass 49	<b>Insecticides and Fertilizers.</b>		
Mustard .....24	Japanese Millet..49	Pages 81 and 82.		
Onion .....25, 26	Jerusalem Corn..46			
Onion Sets .....34	Kaffir Corn .....46			
Parsley .....22	Lathyrus .....45			
Parsnip .....22	Lawn Grass .....56			
Peas .....4, 27, 28, 48	Lentils .....48			
Pepper .....19	Lupins .....48			
Pop Corn .....22	Mangel Wurzel..44			
Potatoes .....8, 43	Millet .....49			
Pumpkin .....22, 49	Milo Maize .....46			
Radish .....29, 34	Oats .....37, 38			

If You Intend to do any Painting of Barns, Fences, Etc.,  
Use the Only Wood Preserving Paint

# Presser's Preservatine

PREVENTS WOOD FROM ROT AND DECAY.

A Wood Preserving Paint and Cheaper Than Linseed Oil Paints.

A Sure Insecticide Remedy and Disinfectant, Preventing Disease.

For painting your hen houses, roosts, coops, fences, etc., Preservatine has no equal. It prevents the rotting of wood, and its peculiar odor acts as an insecticide. Rats will not infest a poultry house painted with Preservatine. Preservatine soaks right in and through the wood. It can be applied with a sprayer. Two coats will last for years. It is of a nut brown color. For underground work lumber should have two coats and all ends should be thoroughly saturated.

### Covering Capacity.

1 Gallon for 1 Coat.	{ Smooth Lumber, 300 sq. ft.
of	{ Rough Lumber, 200 sq. ft.
Covering Capacity.	{ Shingle Roof, 100 sq. ft.

1 Gallon, weight 8 lbs.	\$0.90
5 Gallons, weight 50 lbs.	4.25
10 Gallons, weight 100 lbs.	8.00

# WERNICH'S ERFURTER FLOWER GARDEN

15 PACKAGES FLOWER SEEDS WILL PRODUCE  
OVER 10,000 PLANTS, 50 CENTS POSTPAID

